

Appendix 1 – Independent Variables for the Macro and Micro Models

The first variable is the Two Party Preferred vote for the seat in which the booth is located.

Var 1 = Seat TPP

The second variable is a dummy variable for incumbency which takes the value of 1 if the sitting member is a member of the Government and 0 if the sitting member is a member of the opposition.

Var 2 = Incumbency

The third variable is the average two candidate preferred vote for the sample of booths. As the booths used to create the database is less than the total number of booths that make up the electorate there needs to be some indication of the extent to which the booths are representative of the electorate as a whole. This measure provides such an indicator.

Var 3 = Booth Sample TCP Average

The fourth variable is the two candidate preferred figure for the booth.

Var 4 = Booth TCP

The next set of variables is the percentage of first preference votes received by the ten main groups of contenders in the elections of 1998, 2001 and 2004.

These are as follow:

Var 5 = Other (the aggregate of the booth first preference votes for all parties other than the following)

Var 6 =ALP (the percentage booth first preference votes for the Australian Labor Party)

Var 7 = CLR (the percentage booth first preference votes for Country Labor)

Var 8 = CTA (the percentage booth first preference votes for the Call to Australia Party – the Fred Nile Group/CDP)

Var 9 = Dem (the percentage booth first preference votes for the Democrats)

Var 10 = Grn (the percentage booth first preference votes for the Greens)

Var 11= Han (the percentage booth first preference votes for The One Nation Party)

Var 12 =Ind (the percentage booth first preference votes for Independents)

Var 13 = LP (the percentage booth first preference votes for the Liberal Party)

Var 14 = NP (the percentage booth first preference votes for the National Party)

The next variable is the percentage of formal votes for the booth.

Var 15 = Booth Formal Votes Percentage

The final of the voting variables is the percentage that the booth represents as a proportion of the Seat as a whole.

Var 16 = Booth Proportion

The next set of variables is derived from the taxation statistics from the Australian Taxation Office (2006). The figures apply to postcode areas and are applied to the booth(s) that are located in the postcode areas.

Variable seventeen is a derived variable. It is calculated by dividing the number of Non-Taxables by the number of Taxables. A non taxable for these purposes is anyone who did not submit an income assessment form but who was recorded as being a dependent by another on the other taxpayer's income assessment form. It also includes recipients of Commonwealth payments and HECS debtors who did not submit an income assessment form.

Var 17 = Taxables Proportion

For most of the remaining variables, the postcode taxation income is divided by the average for NSW as a whole. The purpose of this is to make it possible to compare the data from different years. There has been an increase in the average values of the taxation figures in the period 1998 – 2001. In order to enable comparisons between these years it is necessary to divide by the average or use some similar method of standardisation. The effect of this is to place each booth in relation to other booths rather than to give it an absolute position in terms of the taxation statistics.

Variable eighteen is the Mean Taxable Income for the postcode area divided by the Mean Taxable Income for NSW.

Var 18 = Mean Taxable Income for Postcode Area/Mean Taxable Income NSW

Variable 19 is the Average Imputation Credit for the postcode area divided by the average Imputation Credit for NSW.

Var 19 = Average Imputation Credit for Postcode Area/Average Imputation Credit for NSW.

Variable 20 is the Average Tax Paid for the postcode area divided by the Average Tax Paid for NSW.

Var 20 = Average Tax Paid for Postcode Area/Average Tax Paid for NSW.

Variable 21 is the Effective Rate of Taxation and consists of the Average Tax Paid for the postcode Area divided by the Mean Taxable Income for the Postcode Area.

Var 21 = Average Tax Paid for Postcode/Mean Taxable Income for Postcode

Variable 22 is the Average Gross Interest for the postcode area as declared in the annual tax return divided by the Average Gross Interest for NSW.

Var 22 = Average Gross Interest for Postcode Area/Average Gross Interest for NSW

Variable 23 is the average gross tax paid on all sources of income including Gross Interest for the postcode area divided by the average gross tax paid on all sources of income including Gross Interest for NSW.

Var 23 = Average Gross Tax for Postcode Area/Average Gross Tax for NSW

Variable 24 is the Average Net Rent for the Postcode Area divided by the average Net Rent for NSW.

$$\text{Var 24} = \text{Average Net Rent for Postcode Area} / \text{Average Net Rent for NSW}$$

Variable 25 is the Average Net Capital Gain for the Postcode Area divided by the average Net Capital Gain for NSW.

$$\text{Var 25} = \text{Average Net Capital Gain for Postcode Area} / \text{Average Net Capital Gain for NSW}$$

Variable 26 is the Average Total Income or Loss for the Postcode Area divided by the Average Total Income or Loss for NSW.

$$\text{Var 26} = \text{Average Total Income or Loss for Postcode Area} / \text{Average Net Rent for NSW}$$

Variable 27 is the Average Total Deductions for the Postcode Area divided by the average Total Deductions for NSW.

$$\text{Var 27} = \text{Average Total Deductions for Postcode Area} / \text{Average Total Deductions for NSW}$$

Variable 28 is the Average Net Business Income from Primary Production for the Postcode Area divided by the average Net Business Income from Primary Production for NSW.

Var 28 = Average Net Business Income from Primary Production for the Postcode Area/Average Net Business Income from Primary Production for NSW

Variable 29 is the Average Net Business Income from Non-Primary Production for the Postcode Area divided by the average Net Business Income from Non-Primary Production for NSW.

Var 29 = Average Net Business Income from Non - Primary Production for the Postcode Area/Average Net Business Income from Non-Primary Production for NSW

Variable 30 is the average Salary or Wages for the postcode area divided by the average Salary or Wages for NSW.

Var 30 = Average Salary or Wages for Postcode Area/Average Salary or Wages for NSW

Variable 31 is the average Medicare Levy for the postcode area divided by the average Medicare Levy for NSW.

Var 31 = Average Medicare Levy for Postcode Area/Average Medicare Levy for NSW

Variable 32 is the average Medicare Levy Surcharge for the postcode area divided by the average Medicare Levy Surcharge for NSW.

Var 32 = Average Medicare Levy Surcharge for Postcode Area/Average Medicare Levy Surcharge for NSW

Variable 33 is the average Total Work Related Expenses for the postcode area divided by the average Total Work Related Expenses for NSW.

Var 33 = Average Medicare Levy Surcharge for Postcode Area/Average Medicare Levy Surcharge for NSW

Variable 34 is the average Commonwealth of Australia Benefits and Payments for the postcode area divided by the average Commonwealth of Australia Benefits and Payments for NSW.

Var 34 = Commonwealth of Australia Benefits and Payments for Postcode Area/Average Commonwealth of Australia Benefits and Payments for NSW

Variable 35 is the average HECS assessment Debt for the postcode area divided by the average HECS Assessment Debt for NSW.

Var 35 = HECS Assessment Debt for Postcode Area/Average HECS Assessment Debt for NSW

Variable 36 is the average Total Tax Offsets and Credits for the postcode area divided by the average Total Tax Offsets and Credits for NSW.

$$\text{Var 36} = \text{Total Tax Offsets and Credits for Postcode Area} / \text{Average Total Tax Offsets and Credits for NSW}$$

The remaining variables are calculations of the proportion of taxpayers in each postcode who are included in the tax variables above. For example, variable 54 is the number of taxpayers who have a HECS debt expressed as a proportion of the sum of the Non Taxables and the Taxables in a given postcode area. Thus, these are variables derived from the raw numbers provided by the ATO.

Variable 37 is the sum of the Non –Taxables and Taxables in the postcode area.

$$\text{Var 37} = \text{Non Taxables} + \text{Taxables}$$

Variable 38 is the proportion of residents who had imputation credits.

$$\text{Var 38} = \text{Number of Taxpayers with Imputation Credits} / (\text{Taxables} + \text{Non Taxables})$$

Variable 39 is the proportion of residents who declared interest earnings in their assessment form in the postcode area.

$$\text{Var 39} = \text{Number of Taxpayers with Interest Earnings} / (\text{Taxables} + \text{Non Taxables})$$

Variable 40 is the proportion of residents in the postcode area who earned interest in their assessment form plus the number of residents who earned other taxable income. This is expressed in the ATO figures as “Gross Tax” as it consists of the figure for all other sources of income excluding interest *plus* interest.

$$\text{Var 40} = \text{Number Gross Taxpayers} / (\text{Taxables} + \text{Non Taxables})$$

Variable 41 is the proportion of residents in the postcode area who declared Rental income in their assessment form.

$$\text{Var 41} = \text{Number of Rental Income Recipients} / (\text{Taxables} + \text{Non Taxables})$$

Variable 42 is the proportion of residents in the postcode area who declared a Net Capital Gain in their assessment form.

$$\text{Var 42} = \text{Number of Taxpayers Declaring a Net Capital Gain} / (\text{Taxables} + \text{Non Taxables})$$

Variable 43 is the proportion of residents in the postcode area who were issued with an Income Tax Assessment.

$$\text{Var 43} = \text{Number of Taxpayers Issued with an Assessment} / (\text{Taxables} + \text{Non Taxables})$$

Variable 44 is the proportion of residents in the postcode area who claimed Deductions on their assessment form.

Var 44 = Number of Taxpayers Who Claimed Deductions / (Taxables + Non Taxables)

Variable 45 is the proportion of residents in the postcode area who declared Primary Production Income on their assessment form.

Var 45 = Number of Taxpayers Who Declared Primary Production Income / (Taxables + Non Taxables)

Variable 46 is the proportion of residents in the postcode area who declared Non - Primary Production Income on their assessment form.

Var 46 = Number of Taxpayers Who Declared Non - Primary Production Income / (Taxables + Non Taxables)

Variable 47 is the proportion of residents in the postcode area who declared Salary or Wage Income on their assessment form.

Var 47 = Number of Taxpayers Who Declared Salary or Wage Income / (Taxables + Non Taxables)

Variable 48 is the proportion of residents in the postcode area who paid the Medicare Levy.

$$\text{Var 48} = \text{Number of Taxpayers Paid the Medicare Levy} / (\text{Taxables} + \text{Non Taxables})$$

Variable 49 is the proportion of residents in the postcode area who paid the Medicare Levy Surcharge.

$$\text{Var 49} = \text{Number of Taxpayers Paid the Medicare Levy Surcharge} / (\text{Taxables} + \text{Non Taxables})$$

Variable 50 is the proportion of residents in the postcode area who claimed Work Related Expenses.

$$\text{Var 50} = \text{Number of Taxpayers who claimed Work Related Expenses} / (\text{Taxables} + \text{Non Taxables})$$

Variable 51 is the proportion of residents in the postcode area who received a Commonwealth Government Pension or Allowance.

$$\text{Var 51} = \text{Number of Taxpayers who Received a Commonwealth Government Pension or Allowance} / (\text{Taxables} + \text{Non Taxables})$$

Variable 52 is the proportion of residents in the postcode area who have a HECS debt.

Var 52 = Number of Taxpayers with a HECS Debt / (Taxables + Non Taxables)

Variable 53 is the proportion of residents in the postcode area who have a HECS debt.

Var 53 = Number of Taxpayers with a HECS Debt / (Taxables + Non Taxables)

Variable 54 is the proportion of residents in the postcode area who claimed tax credits or rebates in their assessment form.

Var 54 = Number of Taxpayers Claiming Credits and Rebates / (Taxables + Non Taxables)

Appendix 2 – 2001, 1998 and 1996 TPP Election Results and Absolute Swings

New South Wales - 2001 Election Results				1998 Election Results			1996 Election Results -		
Division	ALP %	LP/NP %	Swing (Absolute)	ALP %	LP/NP %	Swing (Absolute)	ALP %	LP/NP %	Swing (Absolute)
Banks	52.89	47.11	4.38	57.11	42.89	5.70	51.41	48.59	9.13
Barton	56.02	43.98	3.77	59.76	40.24	5.42	54.34	45.66	5.05
Bennelong	42.29	57.71	2.48	43.97	56.03	4.10	39.87	60.13	6.95
Berowra	34.35	65.65	2.34	36.48	63.52	4.88	31.60	68.40	6.20
Blaxland	65.21	34.79	6.50	72.06	27.94	9.08	62.98	37.02	9.12
Bradfield	28.84	71.16	0.13	26.80	73.20	2.56	24.23	75.77	2.72
Calare	48.27	51.73	2.74	46.79	53.21	0.31	47.09	52.91	6.97
Charlton	56.66	43.34	5.54	62.97	37.03	3.65	59.32	40.68	7.78
Chifley	65.29	34.71	5.98	70.89	29.11	6.36	64.54	35.46	8.04
Cook	36.00	64.00	4.63	41.06	58.94	3.34	37.72	62.28	8.81
Cowper	45.27	54.73	0.98	43.64	56.36	5.20	38.44	61.56	7.50
Cunningham	60.65	39.35	7.12	68.20	31.80	5.29	62.91	37.09	5.00
Dobell	49.62	50.38	1.91	53.35	46.65	3.27	50.08	49.92	6.74
Eden-Monaro	48.31	51.69	1.08	49.82	50.18	4.58	45.24	54.76	9.03
Farrer	33.63	66.37	2.19	35.38	64.62	6.61	28.77	71.23	3.80
Fowler	71.49	28.51	4.51	76.33	23.67	8.06	68.27	31.73	3.73
Gilmore	35.37	64.63	10.07	45.96	54.04	2.20	43.76	56.24	6.69
Grayndler	71.29	28.71	1.02	72.32	27.68	5.95	66.38	33.62	6.43
Greenway	53.11	46.89	6.44	59.94	40.06	6.55	53.39	46.61	10.03
Gwydir	35.12	64.88	2.88	36.42	63.58	4.93	31.49	68.51	8.24
Hughes	39.59	60.41	4.05	44.48	55.52	0.63	45.11	54.89	11.31
Hume	40.21	59.79	2.46	41.94	58.06	3.71	38.23	61.77	8.07
Hunter	60.86	39.14	3.18	64.69	35.31	7.73	56.97	43.03	6.95
Kingsford Smith	58.90	41.10	4.05	63.40	36.60	3.26	60.15	39.85	5.09
Lindsay	44.53	55.47	2.45	48.72	51.28	0.30	48.42	51.58	11.80
Lowe	53.81	46.19	0.89	54.63	45.37	7.09	47.53	52.47	7.48
Lyne	38.76	61.24	1.11	40.28	59.72	5.71	34.56	65.44	11.20
Macarthur	43.04	56.96	8.65	44.37	55.63	5.06	39.31	60.69	11.97
Mackellar	33.13	66.87	0.26	34.36	65.64	0.88	33.47	66.53	5.37
Macquarie	41.33	58.67	2.90	45.90	54.10	2.26	43.64	56.36	6.48
Mitchell	28.68	71.32	1.85	30.15	69.85	4.47	25.68	74.32	5.66
New England	36.15	63.85	0.19	37.07	62.93	6.25	30.82	69.18	8.98
North Sydney	36.78	63.22	0.55	37.78	62.22	3.34	34.44	65.56	6.03
Page	47.23	52.77	0.59	47.64	52.36	1.95	45.69	54.31	4.44
Parkes	41.26	58.74	2.36	45.89	54.11	2.39	43.50	56.50	5.96
Parramatta	48.85	51.15	3.64	48.93	51.07	2.80	46.13	53.87	7.11
Paterson	48.58	51.42	0.17	51.22	48.78	1.65	49.57	50.43	3.73
Prospect	62.81	37.19	3.96	69.71	30.29	5.81	63.91	36.09	5.13
Reid	66.87	33.13	5.29	71.64	28.36	10.26	61.38	38.62	7.42
Richmond	48.32	51.68	0.84	49.23	50.77	5.98	43.25	56.75	8.53
Riverina	30.13	69.87	5.21	34.70	65.30	5.71	28.99	71.01	8.08
Robertson	43.02	56.98	4.97	47.99	52.01	1.56	46.44	53.56	9.12
Shortland	58.78	41.22	3.45	62.81	37.19	4.66	58.15	41.85	9.18
Sydney	65.04	34.96	4.73	66.89	33.11	3.09	63.80	36.20	5.67
Throsby	65.10	34.90	7.31	72.46	27.54	2.84	69.62	30.38	4.41
Warringah	37.34	62.66	0.12	37.02	62.98	2.33	34.68	65.32	5.06
Watson	67.31	32.69	0.31	67.47	32.53	5.79	61.68	38.32	3.16
Wentworth	42.14	57.86	0.49	43.68	56.32	1.51	42.17	57.83	2.37
Werriwa	58.49	41.51	4.14	62.67	37.33	6.46	56.21	43.79	9.56
State Total	48.34	51.66	3.20	51.54	48.46	4.36	47.44	52.56	7.01

Source: AEC.

Appendix 3 – Neural Network Training and Testing

Modelling was conducted using BrainMaker Professional for Windows v3.72 Neural Network Simulation Software from California Scientific Software.

The settings used were as follow:

The Macro Model

Number of Input Neurons: 53 (See appendix 1 – Independent Variables)

Number of Hidden Neurons: 2

Number of Output Neurons: 1 (See Chapter 2 – Dependent Variable)

Learning Rate Tuning: Exponential; Learning Rate: 1; Start 1; Unit Size: 0.1;

Reduction: 0.9

Tolerance Tuning: Start Tuning Tolerance: 0.49 Lower Tolerance, Multiply By 0.9;

Lower When 100% Good Facts

The best performing network was found at 11,000 iterations at which stage the Training tolerance had fallen to 0.81

The complete network file required to recreate the network for use in BrainMaker

Professional is reproduced below:

```
input number 1 53
output number 1 1
hidden 2

filename trainfacts C:\Thesis\booth prediction\binarsat\run.fct
filename testfacts C:\Thesis\booth prediction\binarsat\test.tst
checkpoint 8 checkpt.net
periodic 500 tootn?????.NET

learnrate 0.3876 exponential 1.0000 0.1000 0.9000
learnlayer 1.0000 1.0000
smoothing 0.9000

traintol 0.0810
testtol 0.1000
testruns 500
delaytesting 0.000
stoptraining maxruns 20000
```

```

function hidden1 sigmoid 0.0000 1.0000 0.0000 1.0000
function output sigmoid 0.0000 1.0000 0.0000 1.0000

dictionary input SEAT Incumben Booth TCP Other ALP CDP/CTA Dem Grn
Han
Ind LP NP Formal Total Tax1 Tax2 Tax3 Tax4 Tax5
Tax6 Tax7 Tax8 Tax9 Tax10 Tax11 Tax12 Tax13 Tax14 Tax15
Tax16 Tax17 Tax18 Tax19 Tax20 Tax21 Tax22 Tax23 Tax24 Tax26
Tax27 Tax28 Tax29 Tax30 Tax31 Tax32 Tax33 Tax34 Tax35 Tax36
Tax37 Tax38 Tax39

dictionary output BI

display input number 5 1 10 6 1
display output number 5 57 1 1
display pattern number 6 57 1 1
display color bold 5 57 1 8
display string 4 1 SEAT Incumbe Booth TCP Other ALP
BI
display string 5 53 Out:
display string 6 1 CDP/CTA Dem Grn Han Ind LP
Ptn:
display string 7 1
display string 8 1 NP Formal Total Tax1 Tax2 Tax3
display string 9 1
display string 10 1 Tax4 Tax5 Tax6 Tax7 Tax8 Tax9
display string 11 1
display string 12 1 Tax10 Tax11 Tax12 Tax13 Tax14 Tax15
display string 13 1
display string 14 1 Tax16 Tax17 Tax18 Tax19 Tax20 Tax21
display string 15 1
display string 16 1 Tax22 Tax23 Tax24 Tax26 Tax27 Tax28
display string 17 1
display string 18 1 Tax29 Tax30 Tax31 Tax32 Tax33 Tax34
display string 19 1
display string 20 1 Tax35 Tax36 Tax37 Tax38 Tax39
displayon
scale input minimum
26.800 0.000 26.016 5.4500 0.000 1.4300 0.000 0.000 0.000
0.000 0.000 0.000 0.000 89.170 0.0400 0.0281 0.6670 0.0950
0.4867 0.7511 0.1192 0.4917 0.4260 0.1048 0.6566 0.6566
0.3638 -21.558 0.0128 0.5538 0.6717 0.000 0.4437 0.3299 0.000
0.1625 106.00 0.1033 0.1538 0.5902 0.0126 0.0334 0.5902
0.3958 0.000 0.0191 0.3611 0.2191 0.000 0.2663 0.0153 0.000
0.3780
scale input maximum
76.330 1.0000 78.665 96.880 29.900 93.750 16.910 18.100
32.630 51.970 50.000 80.650 80.520 100.00 7.0200 0.6941
3.3046 13.571 5.3369 1.6925 6.2323 5.2925 3.6440 21.098
3.4133 3.4133 5.7715 22.013 4.0377 2.1202 3.2250 3.0398
2.2569 1.9889 1.4250 11.299 39578. 0.5354 0.5647 0.9726
0.2113 0.2275 0.9726 0.9479 0.0876 0.1164 0.9506 0.8257
0.0610 0.9342 0.1974 0.1041 0.7631
scale output minimum
28.680
scale output maximum
71.490

statistics 11220002 241914 11000
stathistory 184

```

```
weights 3 1 53 2 1
 4.4410 -1.3404 -0.4340  1.4420 -1.9712 -1.3808 -0.8232 -0.0850
0.4306  0.3554  0.8746 -1.6586  0.4830  0.0544 -0.2366  3.3512 -
0.7580  0.5652  0.6766 -0.0966 -0.6900 -0.1912 -1.1046  0.1776
0.8472  0.4342  1.4786  1.0390 -3.5222 -1.3906  0.6282  1.1596 -
0.0742 -0.4084  0.3796 -0.3166  0.5686  0.0590  1.1340  0.5920
0.7504  0.0182  0.2086  0.4342 -0.6414  0.1446 -0.1408  1.0894
0.7782  0.8726  0.5400 -0.1174 -1.1024 -3.8590
-7.2534 -3.4080 -1.2208  2.6134 -1.9108  0.5200  2.7822  1.0256
2.2460  3.3470  6.4766 -0.0276  3.3184  0.2100 -0.6156  0.9574
2.2894 -2.9386 -2.2260 -0.4592  0.9722 -1.5916  2.5764 -2.9514
1.7856  2.7906  1.7386  1.3024 -5.5490 -4.1142  1.6126  2.1736
0.3680 -1.6496  0.9454  0.3046  0.9250  1.1222 -0.1740 -1.3690
1.6344 -0.3786 -1.4532  1.2522 -2.3506  0.9308 -1.0908  0.0390
0.8190  1.7434  0.4696 -1.7096 -0.6714  3.4440

 4.0804 -2.5962 -0.7450
```

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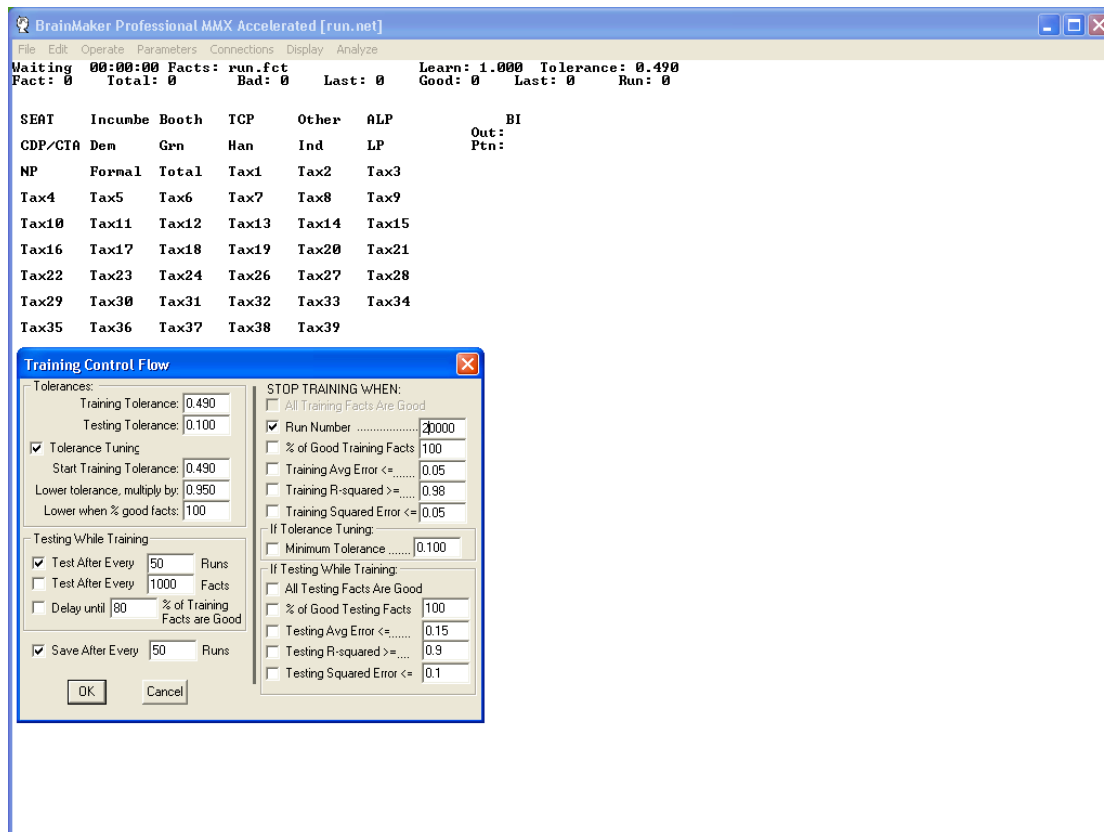


Figure 5 Macro Model Initial Training Control Flow Settings

The Micro Model

input number 1 54
 output number 1 1
 hidden 4

filename trainfacts C:\run1\run.fct
 filename testfacts C:\run1\test.tst
 checkpoint 8 checkpoint.net
 periodic 500 RUN?????.NET

learnrate 0.4784 exponential 1.0000 0.1000 0.9000
 learnlayer 1.0000 1.0000
 smoothing 0.9000

traintol 0.4900 0.1000 0.9500 100.00
 testtol 0.1000
 testruns 500
 delaytesting 0.000
 stoptraining nomimum
 stoptraining maxruns 100000

function hidden1 sigmoid 0.0000 1.0000 0.0000 1.0000
 function output sigmoid 0.0000 1.0000 0.0000 1.0000

dictionary input I J K L M N O P Q R
 S T U V W X Y Z AA AB
 AC AD AE AF AG AH AI AJ AK AL

AM AN AO AP AQ AR AS AT AU AV
 AW AX AY AZ BA BB BC BD BE BF
 BG BH BI BJ

dictionary output BL

```
display input number 5 1 10 6 1
display output number 5 57 1 1
display pattern number 6 57 1 1
display color bold 5 57 1 8
display string 4 1 I      J      K      L      M      N
BL
display string 5 53 Out:
display string 6 1 O      P      Q      R      S      T
Ptn:
display string 7 1
display string 8 1 U      V      W      X      Y      Z
display string 9 1
display string 10 1 AA    AB      AC      AD      AE      AF
display string 11 1
display string 12 1 AG    AH      AI      AJ      AK      AL
display string 13 1
display string 14 1 AM    AN      AO      AP      AQ      AR
display string 15 1
display string 16 1 AS    AT      AU      AV      AW      AX
display string 17 1
display string 18 1 AY    AZ      BA      BB      BC      BD
display string 19 1
display string 20 1 BE    BF      BG      BH      BI      BJ
display progress
displayoff
scale input minimum
26.800  0.000  26.016  6.5600  0.000  3.2800  0.000  0.000  0.000
0.000  1.2000  0.000  0.000  0.000  89.170  0.0700  0.0281  0.6773
0.1026  0.4976  0.7569  0.1793  0.5136  0.4260  0.1161  0.6749
0.6749  0.4859  -21.558  0.0128  0.5538  0.7075  0.000  0.4437  0.5429
0.0664  0.1625  144.00  0.1424  0.1863  0.5902  0.0361  0.0334
0.5902  0.3958  0.000  0.0191  0.3611  0.2191  0.000  0.2663  0.0155
0.0056  0.3780
scale input maximum
76.330  1.0000  78.665  91.250  29.900  88.050  1.0000  16.910
18.100  32.630  51.970  47.900  79.120  75.560  100.00  7.0200
0.6941  3.3046  13.571  5.3369  1.6925  6.2323  5.2925  3.6440
21.098  3.4133  3.4133  5.7715  22.013  4.0377  2.1202  3.2250
3.0398  2.2224  1.9889  1.4250  11.299  39578.  0.5354  0.5629
0.9726  0.2113  0.2275  0.9726  0.9479  0.0876  0.1164  0.9506
0.8257  0.0610  0.9342  0.1936  0.1041  0.7631
scale output minimum
-1.0000
scale output maximum
1.0000

statistics 255000 66681 500
stathistory 188
0.4746  0.4747  0.4760  0.4759  0.4759  0.4750  0.4751  0.4756
0.4750  0.4751  0.4760  0.4754  0.4762  0.4754  0.4762  0.4760
0.4749  0.4761  0.4755  0.4755  0.4756  0.4761  0.4755  0.4760
0.4757  0.4750  0.4754  0.4756  0.4739  0.4747  0.4751  0.4750
0.4750  0.4740  0.4747  0.4753  0.4757  0.4751  0.4745  0.4754
0.4755  0.4760  0.4756  0.4751  0.4755  0.4757  0.4746  0.4751
0.4753  0.4746  0.4747  0.4753  0.4749  0.4753  0.4756  0.4749
0.4755  0.4752  0.4751  0.4748  0.4745  0.4741  0.4747  0.4740
0.4740  0.4750  0.4748  0.4747  0.4748  0.4751  0.4747  0.4746
```

0.4747	0.4745	0.4748	0.4733	0.4741	0.4731	0.4735	0.4740
0.4743	0.4734	0.4738	0.4747	0.4748	0.4746	0.4745	0.4741
0.4739	0.4743	0.4740	0.4741	0.4742	0.4733	0.4744	0.4745
0.4744	0.4735	0.4739	0.4739	0.4736	0.4744	0.4751	0.4748
0.4734	0.4734	0.4744	0.4746	0.4748	0.4740	0.4743	0.4747
0.4739	0.4730	0.4738	0.4737	0.4742	0.4736	0.4742	0.4728
0.4741	0.4734	0.4748	0.4749	0.4734	0.4740	0.4743	0.4739
0.4727	0.4740	0.4724	0.4739	0.4733	0.4730	0.4730	0.4720
0.4727	0.4728	0.4731	0.4735	0.4731	0.4737	0.4724	0.4727
0.4736	0.4738	0.4718	0.4729	0.4729	0.4739	0.4731	0.4730
0.4735	0.4735	0.4730	0.4727	0.4721	0.4724	0.4730	0.4734
0.4738	0.4727	0.4718	0.4738	0.4737	0.4727	0.4735	0.4728
0.4724	0.4728	0.4735	0.4733	0.4724	0.4708	0.4725	0.4709
0.4721	0.4723	0.4728	0.4724	0.4720	0.4711	0.4723	0.4712
0.4717	0.4723	0.4723	0.4724				

weights 3 1 54 4 1

0.3700	0.4080	0.2540	-0.3210	-2.8256	0.9310	-0.1800	-0.2836	-
0.2890	1.2614	-1.1406	-0.3932	-0.4360	-1.1836	-0.4262	0.5536	-
1.4322	0.1860	0.2108	-0.2410	0.7086	-1.0902	-0.3200	-0.2364	-
0.2672	0.0174	0.9680	-1.6180	-0.5644	1.4122	1.2500	0.6316	-
2.1966	0.7172	0.2890	-0.6800	-1.3680	-0.7076	0.1024	-0.3292	-
0.5226	-1.2112	-0.6794	-0.0296	0.3712	-0.9384	-0.4182	0.4360	-
0.2142	0.4456	-0.6006	-0.7152	0.4482	-1.6274	-0.1430		-
-3.5756	-7.9974	-4.2246	-1.9416	-0.1592	-0.2424	-0.2462	-4.9310	-
0.4284	-1.8708	-2.0140	-2.1844	-4.0230	-4.2184	-5.8454	-2.5734	-
2.9950	0.6406	-0.3464	-0.5716	-1.9374	-0.8842	0.6150	-1.5208	-
0.3510	-0.7972	0.5400	-2.3046	-2.1106	-3.2622	-1.7982	-0.7152	-
1.7510	-2.2814	-3.1686	-6.2208	0.1806	-0.3366	-3.0372	-1.8006	-
4.1462	-2.1566	-3.4066	-3.6160	-4.0174	-2.1912	-2.7994	-2.9274	-
6.0074	0.5310	-1.5136	-2.3040	0.3450	-3.8832	-7.9990		-
-1.5484	0.5420	1.5154	1.3752	1.6802	-1.3422	-0.0386	0.7302	-
0.7740	0.6792	-0.2866	1.1866	-0.5540	0.6082	-2.0670	-0.8640	-
0.8364	0.0962	-0.7992	0.6706	-0.7132	0.2660	0.6250	0.6232	-
1.4636	0.3480	0.4026	0.2076	0.7830	0.3304	0.1364	-0.1232	-
0.9800	-1.0504	1.4416	-0.2564	0.2484	0.5664	-1.2482	0.1508	-
0.3554	-1.0746	-0.6506	0.3362	0.6772	-0.7408	0.5282	-1.1706	-
0.0900	1.3272	0.7014	-0.9400	-0.9224	0.2784	-0.5956		-
-0.1150	-1.4772	0.6922	-0.9460	-1.4124	-2.3030	0.0372	-1.9266	-
0.9994	0.2430	-0.0736	2.6326	2.8142	0.2664	0.4680	-0.1008	-
0.1644	0.0254	-1.4012	1.1496	-0.6846	1.1894	0.5526	1.1104	-
2.3184	0.4308	0.5312	0.0692	0.0636	-0.5842	0.4324	0.4864	-
0.1514	0.5516	0.8332	0.0990	-0.6766	-0.4560	-0.8160	0.8050	-
0.1592	-1.4504	-0.2622	-0.0560	0.3760	-0.7886	-0.6632	-0.8816	-
0.5732	1.1392	-0.1308	-1.4392	-0.3940	-0.6384	-0.8534		-

-0.9616 -1.0026 1.0966 1.3372 -0.1222

deltas

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AADaDaBAGAFaFAFAFAEAFACACADABAEACAAaCACAEAD
ABaBaMAIbM

Appendix 4 – Output of Macro Model

In Chapter 4 a method for converting the Macro model booth TPP prediction to the seat TPP prediction was described. The method uses the booth size to weight the booth prediction. Individual booths are then aggregated to create seat predictions. The following output from the Macro model is the basis for this procedure.

Seat	Booth	Predicted 2004 Seat TPP	Booth % of Seat
Banks	East	50.76	1.44
Banks	Lugarno	33.01	3.97
Banks	Milperra	45.05	3.25
Banks	Mortdale	55.74	2.63
Banks	Narwee	54.29	3.77
Banks	Oatley	41.49	0.77
Banks	Padstow	56.49	4.77
Banks	Panania	55.94	2.33
Banks	Peakhurst	53.76	2.25
Banks	Picnic	43.51	2.75
Banks	Revesby	65.65	2.18
Banks	Riverwood	72.14	1.99
Banks	Sydney	61.79	0.16
Barton	Allawah	61.71	1.9
Barton	Arncliffe	70.37	1.8
Barton	Bexley	60.6	3.15
Barton	Blakehurst	45.08	1.11
Barton	Brighton	59.17	3.4
Barton	Carss	36.92	1.14
Barton	Connells	34.18	3.68
Barton	Kogarah	67.32	1.09
Barton	Kyeemagh	58.19	1.31
Barton	Monterey	53.41	2.63
Barton	Ramsgate	52.88	2.65
Barton	Rockdale	74.84	2.19
Barton	Sans	45.74	2.9
Barton	Turrella	73.79	1.23
Bennelong	Boronia	42.17	1.13
Bennelong	Carlingf	37.6	1.4
Bennelong	Deniston	45.18	1.11
Bennelong	Deniston	42.66	3.01
Bennelong	Deniston	40.14	1.49
Bennelong	Gladesvi	47.08	2.38
Bennelong	Marsfield	40.1	2.59
Bennelong	Putney	37.44	3.94
Bennelong	Roselea	40.35	1.67
Bennelong	Ryde	54.21	3.37
Bennelong	West	51.56	4.21
Berowra	Asquith	41.89	2.71
Berowra	Beecroft	32.75	4.12
Berowra	Berowra	35.43	4.12
Berowra	Berowra	38.03	2.26
Berowra	Cherrybr	33	3.78
Berowra	Cowan	45.33	0.4
Berowra	Dangar	69.35	0.16

Berowra	Dural	21.55	2.1
Berowra	Galston	23.65	2.14
Berowra	Glenorie	23.95	1.95
Berowra	Hornsby	43.7	2.02
Berowra	Maroota	27.15	0.39
Berowra	Middle	21.92	1.23
Berowra	Mount	37.95	3.47
Berowra	Mount	37.86	1.48
Berowra	Normanhu	35.66	2.63
Berowra	Oakhill	33.96	1.08
Berowra	Pennant	38.25	4.21
Berowra	Thornlei	36.85	1.85
Berowra	Waitara	35.6	2.62
Berowra	Westleig	31.07	4.36
Berowra	Wisemans	36.84	0.2
Blaxland	Bankstow	81.2	3.85
Blaxland	Bass	61.39	3.16
Blaxland	Birrong	61.11	3.96
Blaxland	Chester	64.64	3.98
Blaxland	Chullora	61.81	3.08
Blaxland	Condell	63.05	5.35
Blaxland	Georges	51.79	4.48
Blaxland	Greenacr	69.93	6.25
Blaxland	Mount	63.21	2.11
Blaxland	Sefton	61.47	3.53
Blaxland	St	74.75	2.25
Blaxland	Yagoona	70.19	3.72
Bradfield	Castle	27.39	1.85
Bradfield	Chatswoo	45.98	2.57
Bradfield	Lindfiel	30.48	2.51
Bradfield	Pymble	23.99	0.95
Bradfield	Rosevill	30.88	1.69
Bradfield	St	22.88	0.68
Bradfield	Turramur	17.11	0.86
Bradfield	Wahroong	21.1	2.85
Bradfield	Warrawee	28.17	3.51
Bradfield	Willough	34.95	0.99
Charlton	Arcadia	60.21	1
Charlton	Argenton	77.71	1.05
Charlton	Awaba	69.77	0.29
Charlton	Barnsley	65.59	1.44
Charlton	Bolton	61.54	0.78
Charlton	Bonnells	47.99	3.62
Charlton	Booragul	61.63	1.69
Charlton	C.A.Brow	65.49	0.14
Charlton	Cardiff	48.42	1.88
Charlton	Carey	39.57	1.29
Charlton	Coal	41.62	1.14
Charlton	Cooranbo	49.94	1.13
Charlton	Dora	51.11	1.65
Charlton	Edgewort	63.16	4.97
Charlton	Elernore	58.72	2.73
Charlton	Fennell	63.05	1.63
Charlton	Garden	52.4	1.64
Charlton	Hillsbor	55.27	1.93
Charlton	Kilaben	46.31	1.05
Charlton	Martinsv	41.81	0.23

Charlton	Morisset	53.91	2.05
Charlton	Rathmine	53.62	3.03
Charlton	Speers	57.51	2.77
Charlton	Teralba	61.95	1.14
Charlton	Toronto	68.36	0.56
Charlton	Wangi	57.14	2.19
Charlton	Warners	54.63	3.46
Charlton	West	72.29	2.58
Charlton	Woodrissi	68.77	0.41
Charlton	Wyee	50.51	1.54
Chifley	Blackett	72.8	2.39
Chifley	Dharruk	72.32	2.06
Chifley	Doonside	66.37	2.64
Chifley	Eastern	62.27	0.83
Chifley	Emerton	68.59	1.36
Chifley	Glendenn	68.24	2.93
Chifley	Hassall	70.04	3.94
Chifley	Hebersha	69.37	2.64
Chifley	Lethbrid	71.06	2.8
Chifley	Marayong	62.64	0.66
Chifley	Minchinb	56.85	3.42
Chifley	Mount	77.54	0.86
Chifley	Oxley	57.08	3.11
Chifley	Rooty	64.8	4.24
Chifley	Shalvey	69.6	2.09
Chifley	St	64.26	2.6
Chifley	Tregear	68.67	2.32
Chifley	Whalan	72.38	2.29
Chifley	Willmot	69.54	1.51
Cook	Bundeena	51.95	1.48
Cook	Burranee	25.61	4.46
Cook	Caringba	34.89	4.5
Cook	Cronulla	30.18	3.07
Cook	Dolans	30.07	1.4
Cook	Grays	39.36	2.03
Cook	Gymea	43.11	3.71
Cook	Kareela	31.48	2.98
Cook	Kirrawee	37.95	2.39
Cook	Kurnell	45.19	1.51
Cook	Lilli	26.03	1.65
Cook	Maianbar	48.78	0.34
Cook	Sylvania	31.51	1.93
Cook	Taren	31.85	1.26
Cook	Wooloowa	37.83	2.64
Cook	Yowie	30.04	3.32
Cowper	Bayldon	44.18	2.92
Cowper	Bellbroo	55.17	0.16
Cowper	Bellimbo	46.07	0.24
Cowper	Bellinge	58.98	2.75
Cowper	Boambee	32.19	1.79
Cowper	Bonville	31.07	1.13
Cowper	Bostobri	39.18	0.13
Cowper	Bowravil	47.97	1.44
Cowper	Brooms	50.28	0.24
Cowper	Coffs	36.96	2.23
Cowper	Coramba	42.81	0.46
Cowper	Cowper	44.23	0.15

Cowper	Dorrigo	39.2	1.5
Cowper	Eungai	50.35	0.39
Cowper	Gleniffe	48.78	0.22
Cowper	Glenreag	45.68	0.63
Cowper	Gulmarra	45.16	0.58
Cowper	Hat	50.8	0.25
Cowper	Karangi	42.14	0.56
Cowper	Korora	34.06	2.12
Cowper	Lowanna	52.8	0.18
Cowper	Macksvil	39.09	3.06
Cowper	Maclean	42.35	1.76
Cowper	Missabot	51.25	0.11
Cowper	Moonee	38.7	1.1
Cowper	Mullaway	51.6	1.62
Cowper	Mylestom	49.87	0.54
Cowper	Nambucca	48.89	3.61
Cowper	Nana	45.44	0.79
Cowper	Palmers	38.9	0.71
Cowper	Raleigh	44.02	0.35
Cowper	Red	53.7	0.22
Cowper	Repton	60.87	0.22
Cowper	Sandy	50.41	2.19
Cowper	Sawtell	50.19	2.48
Cowper	Scotts	54.55	0.7
Cowper	Smithtow	43.89	0.64
Cowper	South	52.89	2.19
Cowper	Stuarts	55.42	1.05
Cowper	Thora	61.99	0.3
Cowper	Toormina	43.04	3.63
Cowper	Tucabia	43.54	0.46
Cowper	Ulmarra	35.99	0.77
Cowper	Ulong	53.76	0.13
Cowper	Upper	41.94	0.38
Cowper	Urunga	50.13	2.58
Cowper	Utungun	34.34	0.23
Cowper	Valla	51.37	1.04
Cowper	Warrell	23.66	0.31
Cowper	Willawar	48.32	0.49
Cowper	Woolgool	48.51	3.59
Cowper	Wooli	54.24	0.66
Cunningham	Austinme	66.53	1.32
Cunningham	Balgowni	53.95	1.66
Cunningham	Bellambi	75.99	1.78
Cunningham	Bulli	66.67	1.04
Cunningham	Coalclif	59.05	0.14
Cunningham	Coledale	69.5	1.04
Cunningham	Coniston	68.86	2.36
Cunningham	Cordeaux	52.48	1.47
Cunningham	Corrimal	64.86	3.25
Cunningham	Fairy	67.09	2.58
Cunningham	Figtree	54.53	4.54
Cunningham	Gwynnevi	65.74	1.99
Cunningham	Helensbu	53.12	3
Cunningham	Keiravil	54.13	3.58
Cunningham	Mount	50.08	0.78
Cunningham	Mount	57.29	0.78
Cunningham	Mount	54.16	2.48

Cunningham	Mount	56.8	2.48
Cunningham	Ottford	57.07	0.25
Cunningham	Reidtown	62.81	1.2
Cunningham	Russell	67.55	1.85
Cunningham	Stanwell	57.18	0.91
Cunningham	Tarrawan	62.88	2.47
Cunningham	Thirroul	63.13	2.53
Cunningham	Towradgi	69.98	1.97
Cunningham	Unanderr	61.87	0.54
Cunningham	Wollongo	61.45	3.56
Cunningham	Wollongo	70.76	0.37
Cunningham	Wombarra	68.84	0.37
Cunningham	Woonona	63.19	1.95
Dobell	Bateau	43.83	1.15
Dobell	Berkeley	50.29	3.68
Dobell	Blue	55.13	2.74
Dobell	Chittawa	52.36	3.57
Dobell	Dooralon	37.23	0.18
Dobell	Erina	32.14	1.04
Dobell	Forreste	44.72	1.49
Dobell	Hamlyn	42.66	0.38
Dobell	Holgate	36.61	0.9
Dobell	Jilliby	39.05	0.63
Dobell	Kanwal	55.41	3.72
Dobell	Killarne	54.22	2.04
Dobell	Kulnura	31.23	0.45
Dobell	Lisarow	42.6	2.41
Dobell	Long	55.11	2.04
Dobell	Mardi	45.42	1.07
Dobell	Narara	48.45	1.32
Dobell	Niagara	48.59	3.76
Dobell	Ourimbah	42.64	2.67
Dobell	Tacoma	56.67	0.7
Dobell	Terrigal	41.59	0.78
Dobell	The	54.32	2.46
Dobell	Tuggerah	50.43	1.24
Dobell	Tumbi	45.59	1.36
Dobell	Wamberal	39.52	2.98
Dobell	Warnerva	49.19	1.84
Dobell	Watanobb	62.26	1.67
Dobell	Wyoming	49.08	3.45
Dobell	Wyang	51.98	2.52
Dobell	Yarramal	39.21	0.3
Eden-Monaro	Adaminab	32.1	0.42
Eden-Monaro	Batehave	46.79	1.86
Eden-Monaro	Bega	44.1	2.43
Eden-Monaro	Bemboka	40.4	0.5
Eden-Monaro	Bermagui	55.04	1.74
Eden-Monaro	Berridal	38.08	0.79
Eden-Monaro	Bibbenlu	31.75	0.16
Eden-Monaro	Bimbimbi	36.93	0.45
Eden-Monaro	Bodalla	45.42	0.61
Eden-Monaro	Bombala	38.82	1.29
Eden-Monaro	Braidwoo	47.03	1.44
Eden-Monaro	Bredbo	43.75	0.31
Eden-Monaro	Brogo	53.54	0.25
Eden-Monaro	Broulee	58.76	1

Eden-Monaro	Bungendo	53.66	2.29
Eden-Monaro	Candelo	52.2	0.68
Eden-Monaro	Captains	65.77	0.43
Eden-Monaro	Central	60.07	0.36
Eden-Monaro	Cobargo	50.31	0.8
Eden-Monaro	Cooma	47.43	1.58
Eden-Monaro	Dalgety	33.13	0.21
Eden-Monaro	Dalmeny	47.97	1.51
Eden-Monaro	Delegate	31.99	0.34
Eden-Monaro	Eden	37.44	2.48
Eden-Monaro	Jerangle	32.86	0.09
Eden-Monaro	Jerrabomb	43.29	3.5
Eden-Monaro	Jindabyne	39.18	1.47
Eden-Monaro	Letchworth	63.2	0.34
Eden-Monaro	Long	46.6	0.42
Eden-Monaro	Malua	42.2	1.15
Eden-Monaro	Merimbula	38.89	2.6
Eden-Monaro	Michelago	37.61	0.28
Eden-Monaro	Mogo	57.07	0.49
Eden-Monaro	Moruya	52.14	3.47
Eden-Monaro	Narooma	47.78	2.35
Eden-Monaro	Nelligen	40.98	0.32
Eden-Monaro	Nimmitabel	40.26	0.39
Eden-Monaro	Numerall	42.64	0.16
Eden-Monaro	Pambula	43.33	1.89
Eden-Monaro	Perisher	39.13	0.03
Eden-Monaro	Quaama	56.97	0.42
Eden-Monaro	Queanbeyan	57.04	2.27
Eden-Monaro	South	54.84	0.24
Eden-Monaro	Sunshine	41.8	2.46
Eden-Monaro	Sutton	46.53	0.76
Eden-Monaro	Tanja	84.4	0.18
Eden-Monaro	Tathra	54.57	1.72
Eden-Monaro	Thredbo	38.68	0.13
Eden-Monaro	Tomakin	49.13	0.86
Eden-Monaro	Towamba	55.04	0.16
Eden-Monaro	Tura	35.45	1.49
Eden-Monaro	Turoos	48.62	1.75
Eden-Monaro	Wallaga	100	0.05
Eden-Monaro	Wamboina	47.39	0.72
Eden-Monaro	Wolumla	42.8	0.58
Fowler	Ashcroft	75.34	2.13
Fowler	Bonnyrig	80.88	2.9
Fowler	Cabramatta	83.28	6.41
Fowler	Canley	73.56	4.61
Fowler	Cartwright	70.86	0.98
Fowler	Edensor	63.11	3.59
Fowler	Fairfield	69.1	0.64
Fowler	Heckenbe	73.7	2.37
Fowler	Lansvale	76.08	2.58
Fowler	Liverpool	74	3.62
Fowler	Mount	62.61	4.14
Fowler	Sadleir	75.93	1.78
Fowler	St	72.47	4.6
Fowler	Villawood	74.85	2.84
Fowler	Wakeley	69.15	1.47
Fowler	Warwick	75.35	1.85

Fowler	Yennora	65.65	0.45
Gilmore	Basin	37.86	1.16
Gilmore	Bawley	44.49	0.7
Gilmore	Berry	31.2	2.5
Gilmore	Bomaderr	28.16	3.64
Gilmore	Burrawan	24.56	0.44
Gilmore	Burrill	39.03	1.53
Gilmore	Callala	35.51	1.2
Gilmore	Cudmirra	37.41	0.55
Gilmore	Curraron	36.8	0.44
Gilmore	Erowal	50.29	0.45
Gilmore	Gerringo	39.27	1.35
Gilmore	Greenwel	33.05	1.08
Gilmore	Huskisso	35.64	1.4
Gilmore	Illaroo	25.66	3.37
Gilmore	Jamberoo	34.88	1.35
Gilmore	Kangaroo	37.5	0.91
Gilmore	Kiama	38.54	3.6
Gilmore	Lake	38.04	0.65
Gilmore	Manyana	48.68	0.5
Gilmore	Minnamur	41.13	2.32
Gilmore	Moss	39.63	2.34
Gilmore	Nowra	31	2.82
Gilmore	Nowra	21.23	0.38
Gilmore	Nowra	29.74	0.89
Gilmore	Orient	45	0.6
Gilmore	Penrose	43.28	0.17
Gilmore	Sanctuar	42.24	3.94
Gilmore	Shoalhav	39.84	2.7
Gilmore	St	32.79	1.27
Gilmore	Sussex	39.3	2.67
Gilmore	Sutton	25.09	0.35
Gilmore	Terara	20.4	0.78
Gilmore	Tomerong	36.83	0.68
Gilmore	Ulladull	35.85	4.41
Gilmore	Vincenti	35.89	2.16
Gilmore	Werri	38.79	1.15
Gilmore	Wingello	47.69	0.25
Grayndler	Ashbury	61.24	2.86
Grayndler	Dulwich	75.1	2.85
Grayndler	Enmore	76.05	2.65
Grayndler	Hurlston	73.66	2.63
Grayndler	Kegworth	69.43	1.92
Grayndler	Lilyfiel	63.6	2.17
Grayndler	Marrickv	81.11	4.5
Grayndler	Petersha	71.13	2.62
Grayndler	Summer	67.11	2.14
Grayndler	Summer	68.04	1.02
Grayndler	Tempe	78.97	1.78
Greenway	Blacktow	64.32	0.27
Greenway	Dean	70.4	1.89
Greenway	Kings	40.44	2.78
Greenway	Lalor	60.76	3.03
Greenway	Marsden	49.43	0.72
Greenway	Quakers	61.83	3.08
Greenway	Riversto	51.89	1.99
Greenway	Schofiel	44.44	2

Greenway	Seven	63.43	2.41
Greenway	Vineyard	42.76	0.19
Gwydir	Ashley	27.03	0.2
Gwydir	Baan	16.91	0.18
Gwydir	Ballador	33.67	0.12
Gwydir	Baradine	28.22	0.8
Gwydir	Bellata	18.18	0.29
Gwydir	Binnaway	47.01	0.6
Gwydir	Blackvil	14.94	0.11
Gwydir	Blandfor	30.46	0.26
Gwydir	Boggabil	41.1	0.49
Gwydir	Boggabri	32.95	0.92
Gwydir	Boomi	22.92	0.18
Gwydir	Bourke	33.31	1.66
Gwydir	Breeza	28.7	0.15
Gwydir	Brewarri	42.46	0.73
Gwydir	Bugaldie	15.22	0.12
Gwydir	Bullarah	9.91	0.14
Gwydir	Bunнан	16.17	0.22
Gwydir	Burren	13.24	0.27
Gwydir	Bylong	16.92	0.08
Gwydir	Carinda	19.05	0.14
Gwydir	Caroona	50.8	0.24
Gwydir	Carroll	33.48	0.3
Gwydir	Collaren	32.16	0.46
Gwydir	Coolah	28.7	0.99
Gwydir	Coolatai	14.06	0.08
Gwydir	Coonabar	38.87	2.73
Gwydir	Coonambl	42.03	2.27
Gwydir	Croppa	14.68	0.14
Gwydir	Cumborah	31.43	0.17
Gwydir	Curban	13.89	0.14
Gwydir	Dunedoo	32.32	0.94
Gwydir	Edgeroi	15.08	0.16
Gwydir	Elong	34.43	0.16
Gwydir	Enngonia	27.69	0.09
Gwydir	Eucharee	26.67	0.15
Gwydir	Garah	21.14	0.23
Gwydir	Geurie	29.1	0.65
Gwydir	Gilgandr	39.9	2.41
Gwydir	Glen	26.83	0.05
Gwydir	Gollan	9.21	0.1
Gwydir	Goodooga	67.59	0.19
Gwydir	Goolma	34.78	0.18
Gwydir	Gravesen	28.8	0.23
Gwydir	Gulargam	31.01	0.57
Gwydir	Gulgong	49.42	2.42
Gwydir	Gundy	31.79	0.19
Gwydir	Gunnedah	33.93	3.88
Gwydir	Gurley	14.02	0.14
Gwydir	Gwabegar	34.65	0.17
Gwydir	Hargrave	34.8	0.27
Gwydir	Ilford	32.14	0.26
Gwydir	Kandos	66.18	1.29
Gwydir	Kelvin	14.81	0.17
Gwydir	Leadvill	33.93	0.14
Gwydir	Lightnin	44.89	1.71

Gwydir	Louth	20.41	0.06
Gwydir	Lue	32.88	0.19
Gwydir	Mendoora	39.11	0.57
Gwydir	Montefio	26.78	0.6
Gwydir	Moonan	20.69	0.22
Gwydir	Moree	29.77	2.29
Gwydir	Mudgee	38.17	3.04
Gwydir	Mullaley	15.42	0.3
Gwydir	Mumbil	48.15	0.21
Gwydir	Mungindi	33.41	0.59
Gwydir	Murrurun	47.97	0.78
Gwydir	Narrabri	33.73	2.85
Gwydir	North	17.09	0.21
Gwydir	Pallamal	36.64	0.44
Gwydir	Pilliga	39.05	0.22
Gwydir	Pine	10.75	0.12
Gwydir	Premer	21.85	0.16
Gwydir	Purlewau	19.61	0.13
Gwydir	Quambone	21.77	0.16
Gwydir	Quirindi	34.93	2.5
Gwydir	Rowena	13.39	0.14
Gwydir	Rylstone	47.72	0.99
Gwydir	Scone	36.2	1.82
Gwydir	Spring	18.72	0.28
Gwydir	Stuart	48.68	0.25
Gwydir	Tambar	39.69	0.17
Gwydir	Terry	21.33	0.1
Gwydir	Toorawee	24.58	0.3
Gwydir	Tulloona	14.08	0.09
Gwydir	Ulan	55.67	0.27
Gwydir	Upper	2.6	0.1
Gwydir	Walgett	33.17	1.37
Gwydir	Wallabad	30.4	0.35
Gwydir	Wanaarin	13.89	0.05
Gwydir	Warialda	42.44	1.32
Gwydir	Wee	22.23	1.77
Gwydir	Weilmori	27.91	0.06
Gwydir	Willow	29.61	0.45
Gwydir	Wingen	31.65	0.22
Gwydir	Wollar	46.03	0.16
Hughes	Alfords	35.3	2.3
Hughes	Barden	36.15	1.91
Hughes	Bonnet	33.75	1.81
Hughes	Caravan	36.1	0.87
Hughes	Chipping	42.65	3.24
Hughes	Engadine	41.34	4.15
Hughes	Hammondv	42.87	2.15
Hughes	Holswort	40.29	1.92
Hughes	Illawong	31.59	3.84
Hughes	Jannali	45.95	2.03
Hughes	Loftus	41.97	2.87
Hughes	Menai	42.53	2.71
Hughes	Mooreban	44.45	4.84
Hughes	Oyster	38.11	2.73
Hughes	Waterfal	48.75	0.36
Hughes	Woronora	33.71	1.22
Hughes	Yarrawar	40.26	2.02

Hume	Bargo	45.99	2.36
Hume	Bendick	35.06	0.19
Hume	Berrima	34.76	0.67
Hume	Bigga	28.49	0.22
Hume	Binalong	33.56	0.38
Hume	Binda	41.27	0.23
Hume	Bookham	20.33	0.15
Hume	Boorowa	37.84	1.19
Hume	Bowning	33.62	0.29
Hume	Bowral	32.44	4.33
Hume	Bribbare	17.07	0.2
Hume	Bungonia	45.79	0.24
Hume	Canyonle	35.59	0.15
Hume	Cobbitty	27.05	0.43
Hume	Collecto	32.92	0.2
Hume	Colo	45.29	0.97
Hume	Crookwel	40.83	2.04
Hume	Dalton	34.4	0.27
Hume	Douglas	42.59	0.93
Hume	Frogmore	25.96	0.13
Hume	Galong	25	0.16
Hume	Glenquar	29.27	0.15
Hume	Goulburn	51.13	2.18
Hume	Grabben	19.07	0.25
Hume	Gundaroo	52.35	0.55
Hume	Gunning	33.58	0.69
Hume	Harden	42.37	1.19
Hume	Hill	53.28	1.32
Hume	Jugiong	33.87	0.23
Hume	Kangaroo	29.77	0.17
Hume	Koorawat	44.89	0.23
Hume	Laggan	22.69	0.32
Hume	Maimuru	19.1	0.11
Hume	Marulan	44.18	0.7
Hume	Menangle	29.6	0.4
Hume	Milvale	7.35	0.09
Hume	Mittagon	44.58	3.21
Hume	Monteagl	25	0.16
Hume	Mount	30.43	0.74
Hume	Murringo	28.07	0.21
Hume	Murrumba	43.8	1.38
Hume	Murrumbu	39.13	0.71
Hume	New	50.38	0.34
Hume	Orangevi	19.07	0.69
Hume	Reids	43.21	0.1
Hume	Rugby	28.57	0.07
Hume	Rye	24.48	0.18
Hume	Tahmoor	46.27	3.38
Hume	Tallong	46.12	0.27
Hume	Taralga	24.4	0.53
Hume	The	35.99	2.01
Hume	Thirlmer	46.76	2.56
Hume	Tuena	39.02	0.1
Hume	Warragam	41.92	2.38
Hume	Wee	33.78	0.09
Hume	Welby	45.65	0.82
Hume	Wilton	39.02	0.88

Hume	Wombat	34.4	0.27
Hume	Yanderra	51.13	0.39
Hume	Yass	41.25	3.08
Hume	Yerrinbo	47.93	0.64
Hume	Young	34.55	3.36
Hunter	Ashtonfi	48.85	1.82
Hunter	Bellbird	73.76	1.53
Hunter	Branxton	62.19	2.08
Hunter	Cessnock	67.42	1.09
Hunter	Denman	49.45	1.36
Hunter	East	56.82	1.32
Hunter	Ellalong	65.95	0.57
Hunter	Gilliest	59.51	0.52
Hunter	Glendon	30.52	0.19
Hunter	Jerrys	38.72	0.29
Hunter	Kearsley	69.88	0.76
Hunter	Kitchene	69.71	0.44
Hunter	Kurri	74.51	2.2
Hunter	Largs	43.51	0.97
Hunter	Lochinva	45.39	1.34
Hunter	Lorn	46.01	1.5
Hunter	Lower	41.94	0.32
Hunter	Maitland	56.2	0.52
Hunter	Maitland	60.75	1.27
Hunter	Martinda	28.35	0.16
Hunter	Metford	62	2.61
Hunter	Milbroda	45.2	0.32
Hunter	Millfiel	63.04	0.45
Hunter	Mulbring	52.81	0.73
Hunter	Muswellb	56.21	1.45
Hunter	Neath	77.73	0.28
Hunter	North	69.77	0.33
Hunter	Nulkaba	49.4	0.64
Hunter	Paxton	73.43	0.51
Hunter	Pelaw	77.84	0.63
Hunter	Pokolbin	34.27	0.27
Hunter	Rutherfo	62.67	1.7
Hunter	Sandy	48.94	0.3
Hunter	Singleto	58.96	3.81
Hunter	Singleto	60.26	2.96
Hunter	Stanford	75.49	0.59
Hunter	Telarah	66.15	2.04
Hunter	Tenambit	56.85	2.75
Hunter	Weston	74.03	2.46
Hunter	Wollombi	52.23	0.49
Hunter	Wybong	40.52	0.15
Kingsford Smith	Banksmea	66.54	1.67
Kingsford Smith	Botany	64.4	2.65
Kingsford Smith	Chifley	59.32	2.37
Kingsford Smith	Daceyvil	65.06	1.06
Kingsford Smith	Eastlake	71.01	1.36
Kingsford Smith	Hillsdal	70.3	3.67
Kingsford Smith	La	58.27	1.44
Kingsford Smith	Malabar	55.75	2.63
Kingsford Smith	Maroubra	52.98	2.04
Kingsford Smith	Mascot	69.71	2.22
Kingsford Smith	Matrivil	59.42	1.74

Lindsay	Berkshir	35.04	0.39
Lindsay	Cambridg	48.48	3.04
Lindsay	Castlere	32.87	1.1
Lindsay	Claremon	58.01	2.22
Lindsay	Cranebro	40.8	4.09
Lindsay	Emu	40.18	4
Lindsay	Glenbroo	42.52	2.92
Lindsay	Glenmore	43.03	4.89
Lindsay	Jamisont	44.85	2.32
Lindsay	Lapstone	41.34	1.54
Lindsay	Leonay	35.42	2.16
Lindsay	Llandilo	35.97	1.48
Lindsay	Mulgoa	27.4	1.38
Lindsay	Orchard	27.87	1.25
Lindsay	Penrith	48.83	2.19
Lindsay	Penrith	46.91	4.45
Lindsay	Regentvi	38.49	2.47
Lindsay	Wallacia	34.47	0.94
Lindsay	Werringt	53.36	2.82
Lowe	Burwood	60.39	0.47
Lowe	Canada	56.2	0.93
Lowe	Chiswick	47.59	2.06
Lowe	Concord	61.23	1.36
Lowe	Concord	54.23	0.18
Lowe	Concord	53.93	2.32
Lowe	Drummoyne	50.88	2.85
Lowe	Enfield	52.69	1.02
Lowe	Five	58.63	2.59
Lowe	Haberfie	59.37	1.96
Lowe	Homebush	64.84	0.61
Lowe	Homebush	39.3	0.78
Lowe	Rhodes	47.65	0.38
Lowe	Russell	49.79	1.57
Lowe	Strathfi	55.59	2
Lowe	Wareemba	54	1.74
Lyne	Aldavill	41.18	1.5
Lyne	Beechwoo	33.07	0.94
Lyne	Bonny	41.22	1.36
Lyne	Burrell	37.16	0.27
Lyne	Byabarra	40.68	0.15
Lyne	Chatham	46.05	2.21
Lyne	Comboyne	16.67	0.36
Lyne	Cooperno	45.43	0.46
Lyne	Crescent	54	1.03
Lyne	Crowdy	48.48	0.12
Lyne	Cundleto	37.16	1.66
Lyne	Diamond	41.83	0.43
Lyne	Dunbogan	47.91	0.75
Lyne	Dyers	33.25	0.49
Lyne	Elands	66.67	0.13
Lyne	Emerald	29.86	1.76
Lyne	Frederic	51.6	0.7
Lyne	Ghinni	31.31	0.13
Lyne	Halliday	39.28	0.89
Lyne	Hannam	40.31	0.24
Lyne	Harringt	44.62	1.23
Lyne	Hérons	42.51	0.21

Lyne	Hollisda	40.31	0.16
Lyne	Huntingd	34.18	0.24
Lyne	Johns	31.36	0.27
Lyne	Kempsey	46.48	1.14
Lyne	Kempsey	51.15	1.25
Lyne	Kendall	40.6	0.91
Lyne	Killabak	40.98	0.15
Lyne	Krambach	41	0.45
Lyne	Kundabun	47.18	0.24
Lyne	Lake	46.31	1.56
Lyne	Laurieto	42.79	2.21
Lyne	Manning	50.8	0.23
Lyne	Marlee	55.61	0.26
Lyne	Mitchell	38.22	0.28
Lyne	Old	48.35	2.65
Lyne	Oxley	38.2	0.22
Lyne	Pembrook	30.46	0.19
Lyne	Port	34.25	1.54
Lyne	Purfleet	64.79	0.18
Lyne	Rollands	28.98	0.21
Lyne	Settleme	34.96	1.64
Lyne	Taree	43.28	2.4
Lyne	Telegrap	36.68	0.78
Lyne	Tinonee	36.07	1.07
Lyne	Upper	39.49	0.19
Lyne	Wauchope	32.53	2.34
Lyne	West	39.59	1.03
Lyne	Wherrol	46.43	0.21
Lyne	Wingham	38.64	1.84
Macarthur	Airds	68	1.37
Macarthur	Ambarval	44.82	5.04
Macarthur	Austral	37.14	0.25
Macarthur	Badgerys	46.36	0.32
Macarthur	Blairmou	54.47	1.22
Macarthur	Bringell	30.87	1.71
Macarthur	Camden	26.63	2.19
Macarthur	Camden	34.43	0.25
Macarthur	Camden	31.68	3.37
Macarthur	Campbell	47.99	1.13
Macarthur	Carringt	23.06	0.68
Macarthur	Catherin	30.57	1.12
Macarthur	Claymore	70.49	1.44
Macarthur	Currans	42.47	2.57
Macarthur	Eagle	53.61	2.54
Macarthur	Eschol	45.35	3.29
Macarthur	Harringt	29.2	1.67
Macarthur	Kentlyn	29.38	1.15
Macarthur	Leppingt	37.84	1.53
Macarthur	Leumeah	53.83	2.43
Macarthur	Mount	37.01	3.7
Macarthur	Narellan	36.08	2.97
Macarthur	Rosemead	55.46	4.27
Macarthur	Ruse	44.46	4.1
Macarthur	St	52.46	1.64
Mackellar	Beacon	33.02	2.56
Mackellar	Belrose	29.21	3.71
Mackellar	Bilgola	32.95	2.47

Mackellar	Collaroy	31.97	3.26
Mackellar	Dee	42.4	3.63
Mackellar	Frenchs	31.53	1.5
Mackellar	Mona	29.12	5.38
Mackellar	Narrabee	36.24	2.93
Mackellar	Narrawee	37.64	4.73
Mackellar	Newport	33.62	2.49
Mackellar	Scotland	61.51	0.3
Mackellar	Terrey	26.02	2.72
Mackellar	Warriewo	37.12	2.1
Mackellar	Wheeler	34.51	2.63
Macquarie	Bilpin	39.86	0.56
Macquarie	Blaxland	42.44	3.83
Macquarie	Bligh	32.45	3.45
Macquarie	Bullabur	51.08	0.7
Macquarie	Cattai	19.42	0.18
Macquarie	Colo	33.78	0.19
Macquarie	Faulconb	44.36	2.82
Macquarie	Freemans	29.53	1.57
Macquarie	Glossodi	31.31	1.62
Macquarie	Grose	29.39	0.83
Macquarie	Hazelbro	53.05	3.08
Macquarie	Katoomba	67.52	1.07
Macquarie	Kurmond	28.57	0.88
Macquarie	Kurrajon	30.72	2.19
Macquarie	Lawson	56.92	1.81
Macquarie	Leura	58.01	0.96
Macquarie	Maraylya	20.94	0.57
Macquarie	McGraths	31.39	1.29
Macquarie	Medlow	53.2	0.45
Macquarie	Mount	37.68	1.94
Macquarie	Mount	54.26	0.56
Macquarie	Mount	34.94	0.11
Macquarie	North	29.67	3.37
Macquarie	Oakville	20.76	1.63
Macquarie	Pitt	27.26	1.38
Macquarie	Valley	44.06	1.05
Macquarie	Warrimoo	48.67	1.17
Macquarie	Wentwort	50.25	3.34
Macquarie	Winmalee	37.64	3.51
Macquarie	Yarramun	25.19	0.34
Mitchell	Annangro	20.05	1.41
Mitchell	Baulkham	34.66	0.41
Mitchell	Beaumont	26.61	1.78
Mitchell	Crestwoo	30.13	2.22
Mitchell	Glenhave	20.1	3.29
Mitchell	Kellyvil	26.44	6.04
Mitchell	Kenthurs	20.51	3.07
Mitchell	Mowll	17.33	0.55
Mitchell	Muirfiel	34.38	1.66
Mitchell	North	34.76	2.72
Mitchell	Rouse	22.94	2.79
Mitchell	The	28.4	0.21
Mitchell	West	29.47	0.73
Newcastle	Adamstow	54.91	2.56
Newcastle	Birmingh	57.41	1.05
Newcastle	Cooks	59.47	0.89

Newcastle	Hamilton	69.98	0.76
Newcastle	Hamilton	47.11	2.71
Newcastle	Islingto	69.83	0.86
Newcastle	Jesmond	62.94	1.01
Newcastle	Kotara	49.58	0.74
Newcastle	Kotara	47.3	0.95
Newcastle	Kotara	50.7	2.18
Newcastle	Lambton	57.65	2.6
Newcastle	Maryland	55.48	3.82
Newcastle	Maryvill	72.06	0.99
Newcastle	Mayfield	64.51	1.77
Newcastle	Mereweth	53.46	1.32
Newcastle	Minmi	57.06	0.63
Newcastle	New	52.49	3.89
Newcastle	Newcastl	57.14	1.42
Newcastle	Shortlan	56.79	1.74
Newcastle	The	50.09	2.73
Newcastle	Tighes	69.09	1.43
Newcastle	Wallsend	62.59	0.92
Newcastle	Waratah	64.4	1.45
NorthSyd	Artarmon	44.9	1.75
NorthSyd	Cammeray	37.31	3.73
NorthSyd	Castlecr	37.33	1.48
NorthSyd	Cremorne	33.94	2.49
NorthSyd	Greenwic	40.09	2.24
NorthSyd	Henley	33.33	0.46
NorthSyd	Hunters	26.09	2.13
NorthSyd	Kirribil	42.04	2
NorthSyd	Lane	39.42	4.49
NorthSyd	Longuevi	30.09	2.17
NorthSyd	Mcmahons	42.42	2.26
NorthSyd	Middle	31.15	0.39
NorthSyd	Milsons	37.22	0.99
NorthSyd	Narembur	39.29	3.78
NorthSyd	Neutral	35.6	4.99
NorthSyd	North	39.23	2.49
NorthSyd	Royal	42.82	0.54
NorthSyd	Waverton	42.21	1.5
NorthSyd	Wollston	38.4	3.26
NorthSyd	Woolwich	30.15	0.85
Page	Ballina	48.86	5.58
Page	Baryulgi	27.91	0.06
Page	Bexhill	38.18	0.64
Page	Bonalbo	39.66	0.49
Page	Caniaba	31.77	0.37
Page	Casino	43.58	4.21
Page	Cawongla	75.49	0.49
Page	Clovass	25.86	0.35
Page	Copmanhu	41.86	0.46
Page	Coraki	41.93	1.25
Page	Coutts	43.53	0.78
Page	Dundurra	59.12	0.18
Page	Dunoon	58.42	0.72
Page	Empire	44.96	0.31
Page	Evans	49.56	2.12
Page	Fairy	31.79	0.53
Page	Goolmang	43.71	0.57

Page	Grafton	52.16	2.34
Page	Grevilli	30.14	0.2
Page	Gundurim	36.36	0.2
Page	Harwood	45.82	0.37
Page	Horsesho	51.43	0.23
Page	Jiggi	61.97	0.28
Page	Junction	39.72	0.98
Page	Kyogle	40.13	2.27
Page	Leeville	34.47	0.36
Page	Lismore	48.01	1.23
Page	Mallanga	35.98	0.31
Page	Meerscha	37.99	0.41
Page	Modanvil	40.81	0.5
Page	Nimbin	76.83	1.26
Page	Nymboida	61.98	0.16
Page	Rappvill	40.85	0.19
Page	Rosebank	70.33	0.32
Page	Southgat	26.13	0.14
Page	Tabulam	42.08	0.25
Page	The	76.62	0.51
Page	Tregeagl	33.55	0.58
Page	Wardell	50.48	0.7
Page	Whiporie	38.64	0.12
Page	Wiangare	40	0.47
Page	Woodenbo	28.08	0.36
Page	Woombah	52.91	0.47
Page	Wyrallah	39.32	0.5
Parkes	Albert	15.46	0.12
Parkes	Alectown	28.16	0.23
Parkes	Ballimor	34.86	0.15
Parkes	Barmedma	29.46	0.31
Parkes	Bedgereb	12.78	0.17
Parkes	Bogan	26.91	0.29
Parkes	Broken	66.28	2.03
Parkes	Burcher	6.58	0.1
Parkes	Caragaba	18.13	0.21
Parkes	Cobar	45.24	2.69
Parkes	Condobol	35.67	2.51
Parkes	Cookamid	30.88	0.09
Parkes	Coolabah	25	0.05
Parkes	Dubbo	39.14	2.17
Parkes	Euabalon	39.29	0.18
Parkes	Eumunger	28.57	0.24
Parkes	Fifield	29.17	0.09
Parkes	Forbes	31.49	0.45
Parkes	Forbes	37.22	0.65
Parkes	Girilamb	32.65	0.06
Parkes	Greeneth	28.57	0.25
Parkes	Grenfell	30.17	2.18
Parkes	Gunningb	8.42	0.12
Parkes	Hermidal	7.77	0.13
Parkes	Hillston	35.51	1.14
Parkes	Lake	31.76	1.16
Parkes	Lourdes	42.8	0.68
Parkes	Menindee	67.79	0.53
Parkes	Merriwag	23.21	0.07
Parkes	Mirrool	5.63	0.09

Parkes	Murrin	79.25	0.07
Parkes	Narromin	36.96	3.34
Parkes	Nevertir	24.07	0.21
Parkes	Nymagee	13.95	0.11
Parkes	Nyngan	42.11	1.74
Parkes	Ootha	9.3	0.05
Parkes	Orana	34.13	3.78
Parkes	Parkes	39.38	2.19
Parkes	Quandial	25.12	0.27
Parkes	Tallimba	12.24	0.19
Parkes	Tiboobur	39.02	0.11
Parkes	Tilpa	27.91	0.06
Parkes	Tomingle	25	0.24
Parkes	Trangie	38.47	1.02
Parkes	Trundle	24.3	0.65
Parkes	Tullamor	23.29	0.38
Parkes	Tullibig	9.84	0.25
Parkes	Ungarie	26.26	0.52
Parkes	Weethall	22.83	0.33
Parkes	West	35.14	2.14
Parkes	White	30.91	0.14
Parkes	Wilcanni	54.39	0.38
Parkes	Wirrinya	11.46	0.12
Parkes	Wongarbo	32.62	0.42
Parkes	Wyalong	34.59	0.86
Parramatta	Dundas	49.67	0.99
Parramatta	Ermington	46.41	0.84
Parramatta	Northmea	41.05	4.03
Parramatta	Old	49.36	5.53
Parramatta	Parramatta	67.27	2.6
Parramatta	Pendle	55.47	3.12
Parramatta	Rydalmere	51.18	1.76
Parramatta	Telopea	49.54	3.05
Parramatta	Toongabb	57.4	1.1
Parramatta	Wentworth	58.72	2.83
Parramatta	Westmead	60.7	3.33
Parramatta	Winston	34.97	4.28
Paterson	Anna	53.77	2.86
Paterson	Bandon	33.33	0.15
Paterson	Beresfield	66.21	2.86
Paterson	Bobs	40	0.36
Paterson	Bulahdel	41.62	1.28
Paterson	Bungwahl	49.61	0.33
Paterson	Clarence	56.54	1.19
Paterson	Coolong	41.92	0.22
Paterson	Coomba	44.31	0.43
Paterson	Corlette	35.46	2.02
Paterson	Dungog	47.14	2.23
Paterson	Failford	35.02	0.31
Paterson	Fingal	49.88	1.07
Paterson	Forster	42.62	3.32
Paterson	Glen	41.8	0.15
Paterson	Gloucester	29.87	2.01
Paterson	Green	50.39	0.34
Paterson	Gresford	36.83	0.68
Paterson	Hawks	45.51	1.04
Paterson	Hinton	39.52	0.76

Paterson	Karuah	57.39	1.12
Paterson	Lemon	56.18	1.56
Paterson	Mallabul	59.93	0.74
Paterson	Medowie	45.64	2.2
Paterson	Millers	40.93	0.34
Paterson	Morpeth	54.55	1.03
Paterson	Nabiac	35.26	0.65
Paterson	North	39.92	0.31
Paterson	Pacific	53.1	1.18
Paterson	Raymond	56.35	2.19
Paterson	Salamand	41.9	1.91
Paterson	Salt	46.88	0.87
Paterson	Seaham	43.65	1.28
Paterson	Soldiers	43.11	1.09
Paterson	Stroud	36.13	0.7
Paterson	Stroud	36.81	0.24
Paterson	Tanilba	57.76	1.9
Paterson	Tarro	63.95	0.87
Paterson	Tea	46.38	1.37
Paterson	Tomago	60.91	0.14
Paterson	Tuncurry	44.8	3.04
Paterson	Vacy	46.95	0.51
Paterson	Wallarob	38.1	0.19
Paterson	Wards	40.35	0.14
Paterson	Williamt	43.54	0.78
Paterson	Woodberr	71.27	2.27
Paterson	Wootton	39.64	0.14
Prospect	Bossley	66.13	4.08
Prospect	Erskine	52.46	4.17
Prospect	Greystan	52.46	4.29
Prospect	Holroyd	54.89	1.45
Prospect	Horsley	38.82	1.73
Prospect	Kemps	29.31	0.68
Reid	Auburn	74.58	4.52
Reid	Berala	74.71	5.08
Reid	Blaxcell	71.55	6.55
Reid	Guildfor	58.39	3.82
Reid	Lidcombe	70.9	6.3
Reid	Merrylan	64.01	2.56
Reid	Old	65.09	1.37
Reid	Silverwa	65.99	1.49
Richmond	Alstonvi	36.95	4.06
Richmond	Bangalow	60.66	1.78
Richmond	Banora	37.03	3.94
Richmond	Bilambil	44.41	2.04
Richmond	Billinud	57.07	0.87
Richmond	Brunswic	58.19	2.05
Richmond	Burringb	59.51	0.72
Richmond	Byron	69.46	3.16
Richmond	Carool	49.57	0.16
Richmond	Chilling	47.5	0.33
Richmond	Chindera	56.93	1.45
Richmond	Condong	41.54	1.15
Richmond	Coorabel	56.49	0.21
Richmond	Crabbes	50	0.17
Richmond	Cudgen	51.13	0.78
Richmond	Dungay	36.05	0.4

Richmond	Duranbah	41.86	0.17
Richmond	Ewingsda	47.86	0.47
Richmond	Fernleig	41.49	0.33
Richmond	Fingal	58.56	0.4
Richmond	Goonenge	81.82	0.19
Richmond	Hastings	59.11	0.44
Richmond	Kingscli	49.64	3.5
Richmond	Kunghur	55.7	0.31
Richmond	Lennox	49.25	4.03
Richmond	Main	79.13	0.16
Richmond	Mcleans	25.33	0.1
Richmond	Mullumbi	56.88	3.47
Richmond	Murwillu	48.09	3.56
Richmond	Newrybar	47.94	0.63
Richmond	Ocean	57.43	2.48
Richmond	Piggabee	41.7	0.94
Richmond	Pottsvil	49.94	2.29
Richmond	Rous	22.93	0.28
Richmond	Stokers	55.7	0.43
Richmond	Terranor	33.95	1.64
Richmond	Tintenba	42.42	0.67
Richmond	Tumbulgu	55.04	0.53
Richmond	Tweed	45.02	4.45
Richmond	Tweed	50.71	4.09
Richmond	Tyalgum	51.28	0.6
Richmond	Wilsons	83.95	0.22
Richmond	Wollongb	34.3	2
Riverina	Adjungbi	28.3	0.06
Riverina	Ardletha	24.05	0.46
Riverina	Ariah	14.13	0.45
Riverina	Ashmont	38.57	2.53
Riverina	Barellan	13.57	0.46
Riverina	Beckom	4.29	0.08
Riverina	Beelbang	25.29	0.42
Riverina	Bethungr	21.14	0.15
Riverina	Bilbul	25.52	0.24
Riverina	Binya	8.79	0.11
Riverina	Carratho	21.43	0.11
Riverina	Charles	33.53	0.21
Riverina	Coleamba	14.14	0.72
Riverina	Collingu	17.1	0.23
Riverina	Coolac	28.25	0.28
Riverina	Coolamon	23.28	1.3
Riverina	Cootamun	45.21	2.8
Riverina	Currawar	20.19	0.13
Riverina	Darlingt	40.48	0.83
Riverina	Euberta	14.43	0.12
Riverina	Galore	10.09	0.13
Riverina	Ganmain	23.18	0.56
Riverina	Glenfiel	27.88	2.16
Riverina	Goolgowi	18.4	0.36
Riverina	Griffith	32.09	3.41
Riverina	Grong	25.93	0.2
Riverina	Gumly	29.35	0.38
Riverina	Gundagai	48.26	1.38
Riverina	Hanwood	22.74	1.15
Riverina	Humula	27.27	0.11

Riverina	Illabo	10.06	0.19
Riverina	June	40.12	2.78
Riverina	Kapooka	10.14	0.08
Riverina	Ladysmit	16.21	0.35
Riverina	Lake	23.61	2.92
Riverina	Lake	27.49	0.57
Riverina	Leeton	33.25	2.63
Riverina	Mangopla	5.33	0.28
Riverina	Marrar	12.2	0.3
Riverina	Matong	22.46	0.17
Riverina	Mount	31.1	2.8
Riverina	Murrumbidgee	19.85	0.17
Riverina	Nangus	30	0.17
Riverina	Narrandine	30.78	1.91
Riverina	Rankins	25	0.17
Riverina	San	30.92	0.26
Riverina	Stockinb	31.96	0.36
Riverina	Tarcutta	16.05	0.43
Riverina	Tatton	22.4	0.87
Riverina	Temora	28.46	3.11
Riverina	Tharaboga	32.49	0.35
Riverina	Tolland	33.01	1.85
Riverina	Tumblong	17.42	0.16
Riverina	Turvey	28.28	2.31
Riverina	Uranquin	26.67	0.56
Riverina	Wagga	31.61	2.23
Riverina	Wallendb	40.12	0.21
Riverina	Wamoon	28.88	0.29
Riverina	Wantabad	12.87	0.13
Riverina	Whitton	27.85	0.49
Riverina	Yanco	36.32	0.81
Riverina	Yoogali	28.25	0.78
Robertson	Avoca	41.02	2.64
Robertson	Booker	43.7	0.81
Robertson	Copacaba	45.15	1.73
Robertson	Davistow	44.24	1.82
Robertson	Empire	38.05	3.23
Robertson	Erina	37.97	5.12
Robertson	Ettalong	55.42	0.86
Robertson	Gosford	46.41	1.64
Robertson	Hardys	47.35	0.41
Robertson	Kariong	36.1	3.74
Robertson	Kincumbe	43.74	3.38
Robertson	Macmaste	47.07	0.67
Robertson	Mangrove	29.29	0.65
Robertson	Mount	36.19	0.14
Robertson	Patonga	46.52	0.31
Robertson	Pearl	42.72	0.41
Robertson	Peats	31.39	0.3
Robertson	Point	40.93	3.17
Robertson	Pretty	46.88	0.88
Robertson	Saratoga	40.75	2.23
Robertson	Somersby	27.89	0.66
Robertson	Umina	50.92	2.13
Robertson	Woy	48.25	3.94
Shortland	Belmont	67.15	2.29
Shortland	Blacksmi	71.07	1.27

Shortland	Budgewoi	61.71	2.37
Shortland	Catherin	75.71	0.18
Shortland	Caves	60.03	3.82
Shortland	Chain	57.56	1.14
Shortland	Charmhav	54.91	1.39
Shortland	Dudley	56.19	1.91
Shortland	Eleebana	43.34	4.39
Shortland	Floravil	59.05	1.83
Shortland	Gateshea	68.53	1.73
Shortland	Gorokan	56.79	3.13
Shortland	Gwandala	55.63	1.89
Shortland	Jewells	57.41	2.54
Shortland	Kahibah	58.38	2.46
Shortland	Lake	53.55	2.06
Shortland	Lake	56.68	3.1
Shortland	Mannerin	61.17	1.65
Shortland	Marks	69.99	1.71
Shortland	Norah	51.47	1.09
Shortland	Nords	54.36	0.67
Shortland	Pelican	70.49	0.93
Shortland	Redhead	62.76	2.43
Shortland	Summerla	51.71	1.29
Shortland	Toukley	53.4	1.74
Shortland	Whitebri	57.3	1.36
Shortland	Windale	81.86	2.79
Sydney	Balmain	61.27	2.79
Sydney	Birchgro	60.91	2.61
Sydney	Chippend	77.92	1.24
Sydney	Darlingh	58.11	0.35
Sydney	East	69.68	2.4
Sydney	Erskinev	73.19	3.47
Sydney	Forest	72.09	1.67
Sydney	Kings	69.65	2.69
Sydney	Lord	48.34	0.28
Sydney	Potts	58.46	3.73
Sydney	Prince	61.55	0.7
Sydney	Pyrmont	51.23	2.29
Sydney	Redfern	73.4	2.39
Sydney	Roslyn	57.74	1.53
Sydney	Rozelle	63.53	3.81
Sydney	Surry	73.58	0.61
Sydney	Toxteth	72.74	1.4
Sydney	Ultimo	69.19	1.42
Sydney	Woolloom	63.21	1.4
Sydney	Zetland	53.7	0.35
Throsby	Albion	56.08	1.89
Throsby	Barrack	71.37	1.77
Throsby	Berkeley	76.11	2.59
Throsby	Brownsvi	58.45	1.81
Throsby	Cringila	85.02	1.68
Throsby	Dapto	63.15	3.23
Throsby	Farmboro	61.3	4.03
Throsby	Koonawar	73.58	2.85
Throsby	Lake	70.43	1.72
Throsby	Lake	64.56	1.98
Throsby	Mount	67.61	3.02
Throsby	Oak	60.95	4.14

Throsby	Port	75.04	0.9
Throsby	Primbee	66.46	1.29
Throsby	Shellhar	57.78	4.27
Throsby	Warilla	71.38	1.58
Throsby	Warrawon	78.09	2.35
Throsby	Windang	64.96	2.05
Watson	Bardwell	51.7	1.4
Watson	Belmore	75	1.6
Watson	Beverly	55.9	1.48
Watson	Campsie	86.78	2.98
Watson	Clenton	65.07	5.4
Watson	Earlwood	63.26	1.29
Watson	Hurstvil	67.49	3.12
Watson	Kingsgro	61.79	2.81
Watson	Lakemba	81.89	2.63
Watson	Undercli	58.48	2.39
Watson	Wiley	82.12	1.28
Wentworth	Bellevue	31.81	4.68
Wentworth	Bondi	50.65	4.08
Wentworth	Bondi	46.82	3.85
Wentworth	Bronte	54.25	2.62
Wentworth	Charing	52.55	0.78
Wentworth	Clovelly	53.97	2.17
Wentworth	Darling	24.16	2.62
Wentworth	Diamond	30.98	3.22
Wentworth	Double	27.56	4.42
Wentworth	Dover	24.19	3.14
Wentworth	Edgeclif	30.24	1.05
Wentworth	Randwick	50.65	1.84
Wentworth	Vaucluse	21.04	1.31
Wentworth	Watsons	31.78	1.23
Wentworth	Woollahr	37.92	2.27
Werriwa	Casula	59.41	4.85
Werriwa	Cecil	57.58	3.91
Werriwa	Hoxton	65.19	3.13
Werriwa	Inglebur	53.88	4.93
Werriwa	Inglebur	32.19	0.88
Werriwa	Lurnea	65.91	2.96
Werriwa	Macquari	60.59	3.48
Werriwa	Miller	73.37	1.98
Werriwa	Prestons	59.68	5.08
Werriwa	Sackvill	49.91	3.09
Werriwa	West	40.07	0.79

Appendix 5 – Output of Micro Model

The column “Correct Prediction” assigns a value of 1 if the prediction and actual values are both greater or both less than 0 and a value of 0 if the prediction and actual values fall on different sides of 0. The Column “Average Correct” shows the cumulative average correct prediction. This is important as the booths are ordered in ascending order of predicted fall. It can be seen that the model is quite good at predicting which booths will fall. The average correct for the first 10 booths is 80%. The booths Awaba and Balmain incorrectly predicted that ALP support would fall whereas, in fact, support rose. However, the remaining 8 booths correctly predicted a fall in ALP first preference support.

Using the same procedure, the first 100 booths are correctly predicted at a rate of 76% and the first 500 at a rate of 70%. The booths that are predicted to fall are correctly predicted at a rate of 66%. Booth change in support in general, which includes booths predicted to fall and rise, are correctly predicted at a rate of only 52%.

Thus, the model is able to classify booths that are likely to fall better than it is able to classify booths that are likely to rise. Although objective of being able to identify those booths that are likely to fall has been achieved with an accuracy of 66%, it is clear that the model is not globally applicable to predicting both falling and rising booths.

Output of Micro Model
Predicted Direction Change in ALP First Preference Vote at Booth Level

Booth	Seat	ALP FPV 2001/2004	Predicted (Ascending)	Actual (Ind Variable)	Predicted = Actual Direction	Cumm' Av' Correct Direction
Sydney	Banks	0.8919	-0.2791	-0.9998	1	1.00
Chippend	Sydney	1.0084	-0.2498	1.0001	0	0.50
Erskinev	Sydney	0.9766	-0.2361	-0.9998	1	0.67
Ultimo	Sydney	0.9453	-0.2034	-0.9998	1	0.75
Forest	Sydney	1.0531	-0.1858	1.0001	0	0.60
Bronte	Wentwort	0.9643	-0.1834	-0.9998	1	0.67
Surry	Sydney	0.9789	-0.1755	-0.9998	1	0.71
Glenmore	Lindsay	0.9366	-0.1638	-0.9998	1	0.75
Erskine	Prospect	0.845	-0.1555	-0.9998	1	0.78
Ourimbah	Dobell	0.7496	-0.1555	-0.9998	1	0.80
Charing	Wentwort	0.6993	-0.1546	-0.9998	1	0.82
Kings	Sydney	0.9298	-0.1419	-0.9998	1	0.83
Mount	Berowra	1.103	-0.1414	1.0001	0	0.77
Berkeley	Throsby	0.9217	-0.1409	-0.9998	1	0.79
Eschol	Macarthur	0.8273	-0.1409	-0.9998	1	0.80
Old	Parramat	0.8854	-0.1409	-0.9998	1	0.81
Clovelly	Wentwort	0.8381	-0.1389	-0.9998	1	0.82
Kurri	Hunter	0.955	-0.137	-0.9998	1	0.83
Eagle	Macarthur	0.7705	-0.136	-0.9998	1	0.84
Woolloom	Sydney	0.8801	-0.1355	-0.9998	1	0.85
Thirlmer	Hume	0.8452	-0.1316	-0.9998	1	0.86
Bondi	Wentwort	0.785	-0.1311	-0.9998	1	0.86
Pelaw	Hunter	0.9477	-0.1292	-0.9998	1	0.87
Bondi	Wentwort	0.8717	-0.1282	-0.9998	1	0.88
Redfern	Sydney	0.7349	-0.1282	-0.9998	1	0.88
Reids	Hume	0.5862	-0.1267	-0.9998	1	0.88
Boorowa	Hume	0.8015	-0.1238	-0.9998	1	0.89
Oyster	Hughes	0.9976	-0.1189	-0.9998	1	0.89
Menangle	Hume	1.0209	-0.1179	1.0001	0	0.86
Holswort	Hughes	1.0178	-0.1174	1.0001	0	0.83
Yanderra	Hume	0.9239	-0.1174	-0.9998	1	0.84
Tanilba	Paterson	0.8392	-0.115	-0.9998	1	0.84
Stanford	Hunter	0.8713	-0.1126	-0.9998	1	0.85
Woodberr	Paterson	0.7563	-0.1126	-0.9998	1	0.85
Hazelbro	Macquari	1.0238	-0.1096	1.0001	0	0.83
Braxton	Hunter	0.9428	-0.1087	-0.9998	1	0.83
C.A.Brow	Charlton	0.9516	-0.1087	-0.9998	1	0.84
Petersha	Grayndle	0.9701	-0.1082	-0.9998	1	0.84
North	Hunter	1.1122	-0.1077	1.0001	0	0.82
Oak	Throsby	1.0323	-0.1077	1.0001	0	0.80
Beresfie	Paterson	0.7967	-0.1067	-0.9998	1	0.80
Bargo	Hume	0.9161	-0.1057	-0.9998	1	0.81
Morpeth	Paterson	0.9208	-0.1057	-0.9998	1	0.81
Tahmoor	Hume	0.8343	-0.1057	-0.9998	1	0.82
Mallabul	Paterson	0.6812	-0.1052	-0.9998	1	0.82
Northmea	Parramat	0.9321	-0.1052	-0.9998	1	0.83
Lemon	Paterson	0.8383	-0.1047	-0.9998	1	0.83
Artarmon	NorthSyd	0.9471	-0.1038	-0.9998	1	0.83
Inglebur	Werriwa	1.0351	-0.1008	1.0001	0	0.82
Wollongo	Cunningh	0.8065	-0.1004	-0.9998	1	0.82
Edgewort	Charlton	0.9305	-0.0994	-0.9998	1	0.82
Menai	Hughes	0.8716	-0.0974	-0.9998	1	0.83
Weston	Hunter	0.9431	-0.0974	-0.9998	1	0.83
Windale	Shortlan	0.9166	-0.0955	-0.9998	1	0.83
Blaxland	Macquari	1.0055	-0.095	1.0001	0	0.82
Argenton	Charlton	0.8878	-0.0945	-0.9998	1	0.82
Randwick	Wentwort	0.8524	-0.0945	-0.9998	1	0.82
West	Charlton	0.878	-0.0945	-0.9998	1	0.83
Currans	Macarthur	0.8318	-0.094	-0.9998	1	0.83
Shellhar	Throsby	0.9505	-0.094	-0.9998	1	0.83
Blue	Dobell	0.7547	-0.093	-0.9998	1	0.84
Koonawar	Throsby	0.9187	-0.093	-0.9998	1	0.84
Kanwal	Dobell	0.7566	-0.0925	-0.9998	1	0.84
Faulconb	Macquari	1.0696	-0.0921	1.0001	0	0.83
Mount	Macarthur	0.8706	-0.0921	-0.9998	1	0.83
Fairy	Cunningh	0.7843	-0.0896	-0.9998	1	0.83
Rozelle	Sydney	1.0053	-0.0896	1.0001	0	0.82
Blairmou	Macarthur	0.8308	-0.0891	-0.9998	1	0.82
St	Blaxland	0.8389	-0.0886	-0.9998	1	0.83
Clarence	Paterson	0.8155	-0.0881	-0.9998	1	0.83
Farmboro	Throsby	1.0184	-0.0881	1.0001	0	0.82
Forreste	Dobell	0.8629	-0.0881	-0.9998	1	0.82
Mascot	Kingsfor	0.8969	-0.0881	-0.9998	1	0.82
Wamberal	Dobell	0.8415	-0.0872	-0.9998	1	0.82
Barrack	Throsby	0.9857	-0.0857	-0.9998	1	0.83
Bellbird	Hunter	0.8979	-0.0857	-0.9998	1	0.83
Catherin	Shortlan	0.907	-0.0857	-0.9998	1	0.83
Cooks	Newcastl	1.1666	-0.0828	1.0001	0	0.82

Cringila	Throsby	0.885	-0.0818	-0.9998	1	0.82
Lawson	Macquari	0.8848	-0.0803	-0.9998	1	0.83
Mount	Throsby	0.9976	-0.0803	-0.9998	1	0.83
Warrimoo	Macquari	1.0218	-0.0794	1.0001	0	0.82
Glenbroo	Lindsay	1.2229	-0.0784	1.0001	0	0.81
Hillsdal	Kingsfor	0.8798	-0.0784	-0.9998	1	0.81
Caravan	Hughes	0.9588	-0.0769	-0.9998	1	0.81
Chittawa	Dobell	0.7733	-0.0764	-0.9998	1	0.81
Newcastl	Newcastl	0.9859	-0.0764	-0.9998	1	0.82
Jannali	Hughes	0.9134	-0.0755	-0.9998	1	0.82
Anna	Paterson	0.8708	-0.075	-0.9998	1	0.82
Mcmahons	NorthSyd	1.0031	-0.075	1.0001	0	0.81
Narembur	NorthSyd	1.0067	-0.075	1.0001	0	0.80
Scotland	Mackella	1.5509	-0.075	1.0001	0	0.79
Woodrisi	Charlton	0.963	-0.075	-0.9998	1	0.80
Enmore	Grayndle	0.9775	-0.0745	-0.9998	1	0.80
Bullabur	Macquari	1.0456	-0.074	1.0001	0	0.79
Marrickv	Grayndle	0.8768	-0.074	-0.9998	1	0.79
Narellan	Macarthu	0.912	-0.074	-0.9998	1	0.79
Port	Throsby	0.8909	-0.074	-0.9998	1	0.80
Tarro	Paterson	0.7914	-0.0735	-0.9998	1	0.80
Clemton	Watson	0.9349	-0.073	-0.9998	1	0.80
Belmont	Shortlan	0.8913	-0.0725	-0.9998	1	0.80
Pymont	Sydney	0.9126	-0.072	-0.9998	1	0.80
Toronto	Charlton	0.8783	-0.0711	-0.9998	1	0.81
Blacksmi	Shortlan	0.9326	-0.0706	-0.9998	1	0.81
Barnsley	Charlton	0.9319	-0.0686	-0.9998	1	0.81
Loftus	Hughes	1.0141	-0.0686	1.0001	0	0.80
Wangi	Charlton	0.976	-0.0686	-0.9998	1	0.80
Claymore	Macarthu	0.6522	-0.0681	-0.9998	1	0.81
Potts	Sydney	1.0503	-0.0681	1.0001	0	0.80
Marks	Shortlan	0.8807	-0.0676	-0.9998	1	0.80
Regentvi	Lindsay	0.9337	-0.0676	-0.9998	1	0.80
Darlingh	Sydney	1.0916	-0.0671	1.0001	0	0.79
Medowie	Paterson	0.8805	-0.0671	-0.9998	1	0.80
Waverton	NorthSyd	1.0423	-0.0671	1.0001	0	0.79
Barden	Hughes	0.8228	-0.0667	-0.9998	1	0.79
Lake	Throsby	0.9706	-0.0652	-0.9998	1	0.79
Watanobb	Dobell	0.7249	-0.0652	-0.9998	1	0.79
Lake	Throsby	0.8891	-0.0647	-0.9998	1	0.80
Mittagon	Hume	0.8671	-0.0647	-0.9998	1	0.80
Raymond	Paterson	0.8304	-0.0642	-0.9998	1	0.80
Niagara	Dobell	0.7976	-0.0637	-0.9998	1	0.80
Hill	Hume	0.8195	-0.0632	-0.9998	1	0.80
Speers	Charlton	0.9604	-0.0632	-0.9998	1	0.80
East	Sydney	0.8575	-0.0628	-0.9998	1	0.81
Illawong	Hughes	0.9958	-0.0628	-0.9998	1	0.81
Gundaroo	Hume	0.8847	-0.0623	-0.9998	1	0.81
Lane	NorthSyd	1.0557	-0.0618	1.0001	0	0.80
North	Mitchell	0.8779	-0.0613	-0.9998	1	0.80
Pelican	Shortlan	0.9978	-0.0613	-0.9998	1	0.81
Reidtown	Cunningh	0.8148	-0.0613	-0.9998	1	0.81
Rydalmer	Parramat	0.8322	-0.0608	-0.9998	1	0.81
Dundas	Parramat	0.94	-0.0598	-0.9998	1	0.81
Quakers	Greenway	0.8102	-0.0598	-0.9998	1	0.81
Warners	Charlton	0.9805	-0.0593	-0.9998	1	0.81
Berkeley	Dobell	0.7863	-0.0588	-0.9998	1	0.81
Condell	Blaxland	0.8708	-0.0588	-0.9998	1	0.82
The	Mitchell	0.8573	-0.0588	-0.9998	1	0.82
Ellalong	Hunter	0.8498	-0.0584	-0.9998	1	0.82
Leura	Macquari	0.9722	-0.0584	-0.9998	1	0.82
Douglas	Hume	0.9095	-0.0579	-0.9998	1	0.82
Warrawon	Throsby	0.8611	-0.0579	-0.9998	1	0.82
Prince	Sydney	1.0209	-0.0574	1.0001	0	0.82
Telarah	Hunter	0.9743	-0.0574	-0.9998	1	0.82
Terrigal	Dobell	0.8388	-0.0574	-0.9998	1	0.82
Banksmea	Kingsfor	0.8559	-0.0569	-0.9998	1	0.82
Dapto	Throsby	0.9682	-0.0564	-0.9998	1	0.82
North	NorthSyd	1.0762	-0.0564	1.0001	0	0.82
Booragul	Charlton	0.9243	-0.0554	-0.9998	1	0.82
Five	Lowe	0.8233	-0.0554	-0.9998	1	0.82
Wyoming	Dobell	0.7747	-0.0554	-0.9998	1	0.82
Figtree	Cunningh	0.9137	-0.0549	-0.9998	1	0.82
Medlow	Macquari	0.8577	-0.0549	-0.9998	1	0.82
Hassall	Chifley	0.8812	-0.0545	-0.9998	1	0.82
Tuggerah	Dobell	0.784	-0.0545	-0.9998	1	0.82
Winmalee	Macquari	1.0125	-0.0545	1.0001	0	0.82
Coniston	Cunningh	0.805	-0.054	-0.9998	1	0.82
Engadine	Hughes	0.9579	-0.054	-0.9998	1	0.82
Mount	Macquari	0.9322	-0.054	-0.9998	1	0.82
Singleto	Hunter	0.9473	-0.054	-0.9998	1	0.82
Alfords	Hughes	0.8792	-0.0535	-0.9998	1	0.83
Elernmore	Charlton	0.9215	-0.0535	-0.9998	1	0.83
Gwynnevi	Cunningh	0.7912	-0.053	-0.9998	1	0.83
Murringo	Hume	0.9431	-0.053	-0.9998	1	0.83
Ambarval	Macarthu	0.9745	-0.0525	-0.9998	1	0.83
Wilton	Hume	0.8141	-0.0525	-0.9998	1	0.83
Ashbury	Grayndle	0.9835	-0.052	-0.9998	1	0.83
Caves	Shortlan	0.9357	-0.052	-0.9998	1	0.83
Fennell	Charlton	0.9571	-0.0515	-0.9998	1	0.83
Killarne	Dobell	0.7417	-0.0515	-0.9998	1	0.83

Warilla	Throsby	0.9732	-0.051	-0.9998	1	0.84
Daceyvil	Kingsfor	0.8458	-0.0505	-0.9998	1	0.84
Georges	Blaxland	0.9835	-0.0501	-0.9998	1	0.84
Teralba	Charlton	0.8987	-0.0501	-0.9998	1	0.84
Vacy	Paterson	0.7707	-0.0501	-0.9998	1	0.84
Gilliest	Hunter	1.025	-0.0496	1.0001	0	0.83
Glen	Paterson	0.9161	-0.0496	-0.9998	1	0.84
Windang	Throsby	0.9505	-0.0496	-0.9998	1	0.84
Pennant	Berowra	1.1906	-0.0491	1.0001	0	0.83
Wollongo	Cunningh	0.7079	-0.0491	-0.9998	1	0.83
Gateshea	Shortlan	0.9321	-0.0481	-0.9998	1	0.83
Katoomba	Macquari	0.9447	-0.0481	-0.9998	1	0.83
Singleto	Hunter	0.9941	-0.0481	-0.9998	1	0.84
Bossley	Prospect	0.7515	-0.0476	-0.9998	1	0.84
Gymea	Cook	0.9409	-0.0471	-0.9998	1	0.84
Long	Dobell	0.801	-0.0471	-0.9998	1	0.84
Yass	Hume	0.9227	-0.0471	-0.9998	1	0.84
Kincumbe	Robertso	0.9512	-0.0466	-0.9998	1	0.84
Islingto	Newcastl	1.0195	-0.0462	1.0001	0	0.84
Rooty	Chifley	0.8373	-0.0462	-0.9998	1	0.84
Wyong	Dobell	0.7553	-0.0462	-0.9998	1	0.84
The	Dobell	0.7322	-0.0457	-0.9998	1	0.84
Warnerva	Dobell	0.7526	-0.0452	-0.9998	1	0.84
Williamt	Paterson	1.0098	-0.0452	1.0001	0	0.83
Yerrinbo	Hume	0.8202	-0.0447	-0.9998	1	0.84
Budgewoi	Shortlan	0.9557	-0.0442	-0.9998	1	0.84
Metford	Hunter	0.9208	-0.0442	-0.9998	1	0.84
Mount	Macquari	1.1262	-0.0442	1.0001	0	0.83
Harden	Hume	0.7174	-0.0437	-0.9998	1	0.83
Eastlake	Kingsfor	0.7921	-0.0432	-0.9998	1	0.83
Tempe	Grayndle	0.8894	-0.0432	-0.9998	1	0.84
Botany	Kingsfor	0.8546	-0.0427	-0.9998	1	0.84
Gresford	Paterson	0.8318	-0.0427	-0.9998	1	0.84
Salt	Paterson	0.902	-0.0427	-0.9998	1	0.84
Saratoga	Robertso	0.9748	-0.0422	-0.9998	1	0.84
Wentwort	Macquari	1.0831	-0.0422	1.0001	0	0.83
Burwood	Lowe	0.8779	-0.0418	-0.9998	1	0.83
Chatswoo	Bradfiel	0.9601	-0.0418	-0.9998	1	0.84
Tacoma	Dobell	0.7384	-0.0418	-0.9998	1	0.84
Gladesvi	Bennelon	0.8144	-0.0408	-0.9998	1	0.84
Kellyvil	Mitchell	0.9855	-0.0408	-0.9998	1	0.84
Kearsley	Hunter	0.9741	-0.0403	-0.9998	1	0.84
Parramat	Parramat	0.8922	-0.0403	-0.9998	1	0.84
Welby	Hume	0.7882	-0.0403	-0.9998	1	0.84
Concord	Lowe	0.8065	-0.0398	-0.9998	1	0.84
Neath	Hunter	0.8605	-0.0398	-0.9998	1	0.84
Telopea	Parramat	0.9328	-0.0398	-0.9998	1	0.84
Mardi	Dobell	0.8445	-0.0393	-0.9998	1	0.84
West	Bennelon	0.9135	-0.0393	-0.9998	1	0.84
Copacaba	Robertso	0.9993	-0.0388	-0.9998	1	0.84
Lapstone	Lindsay	1.2348	-0.0388	1.0001	0	0.84
Hinton	Paterson	0.8484	-0.0383	-0.9998	1	0.84
Penrith	Lindsay	0.9893	-0.0383	-0.9998	1	0.84
Toongabb	Parramat	0.8636	-0.0383	-0.9998	1	0.84
Berowra	Berowra	1.0545	-0.0379	1.0001	0	0.84
Tenambit	Hunter	1.0046	-0.0379	1.0001	0	0.84
Toxteth	Sydney	0.9725	-0.0369	-0.9998	1	0.84
Colo	Hume	0.815	-0.0364	-0.9998	1	0.84
Goulburn	Hume	0.9134	-0.0364	-0.9998	1	0.84
Neutral	NorthSyd	1.1361	-0.0364	1.0001	0	0.83
Arcadia	Charlton	0.9666	-0.0359	-0.9998	1	0.83
Lisarow	Dobell	0.8976	-0.0359	-0.9998	1	0.84
Bolton	Charlton	0.9373	-0.0354	-0.9998	1	0.84
Redhead	Shortlan	0.976	-0.0339	-0.9998	1	0.84
Dungog	Paterson	0.7636	-0.0335	-0.9998	1	0.84
Greystan	Prospect	0.8712	-0.033	-0.9998	1	0.84
Ruse	Macarthu	0.8978	-0.033	-0.9998	1	0.84
Brighton	Barton	0.8687	-0.0325	-0.9998	1	0.84
Paxton	Hunter	0.822	-0.0325	-0.9998	1	0.84
Seaham	Paterson	0.9429	-0.032	-0.9998	1	0.84
Woollahr	Wentwort	0.8716	-0.032	-0.9998	1	0.84
Avoca	Robertso	1.0178	-0.0315	1.0001	0	0.84
Macquari	Werriwa	0.9357	-0.0315	-0.9998	1	0.84
Cecil	Werriwa	0.9281	-0.0305	-0.9998	1	0.84
Dulwich	Grayndle	0.9723	-0.0305	-0.9998	1	0.84
Balmain	Sydney	1.1157	-0.03	1.0001	0	0.84
Dean	Greenway	0.6919	-0.03	-0.9998	1	0.84
Lake	Shortlan	0.9761	-0.03	-0.9998	1	0.84
Tumbi	Dobell	0.7567	-0.03	-0.9998	1	0.84
Narara	Dobell	0.8372	-0.0296	-0.9998	1	0.84
Rosemead	Macarthu	0.7459	-0.0296	-0.9998	1	0.84
Wollston	NorthSyd	1.0164	-0.0296	1.0001	0	0.84
Chifley	Kingsfor	0.87	-0.0291	-0.9998	1	0.84
Greenwic	NorthSyd	1.1644	-0.0291	1.0001	0	0.83
Rutherfo	Hunter	0.9984	-0.0291	-0.9998	1	0.83
Corrimal	Cunningh	0.797	-0.0286	-0.9998	1	0.84
Lilyfiel	Grayndle	0.9812	-0.0286	-0.9998	1	0.84
Hurlston	Grayndle	0.9179	-0.0281	-0.9998	1	0.84
Bungwahl	Paterson	0.7494	-0.0276	-0.9998	1	0.84
Camden	Macarthu	0.8831	-0.0276	-0.9998	1	0.84
Maitland	Hunter	1.0556	-0.0276	1.0001	0	0.83

New	Hume	0.85	-0.0276	-0.9998	1	0.84
Coledale	Cunningh	0.794	-0.0271	-0.9998	1	0.84
Frogmore	Hume	0.9041	-0.0266	-0.9998	1	0.84
Hillsbor	Charlton	0.9439	-0.0266	-0.9998	1	0.84
Macmaste	Robertso	0.8114	-0.0266	-0.9998	1	0.84
Rathmine	Charlton	1.0102	-0.0266	1.0001	0	0.83
Bundeena	Cook	1.0815	-0.0261	1.0001	0	0.83
Primbee	Throsby	0.9859	-0.0261	-0.9998	1	0.83
Murrumba	Hume	1.0098	-0.0256	1.0001	0	0.83
Rye	Hume	1.6011	-0.0256	1.0001	0	0.83
Valley	Macquari	1.006	-0.0256	1.0001	0	0.82
Kegworth	Grayndle	0.972	-0.0252	-0.9998	1	0.82
Murrumbu	Hume	0.8533	-0.0252	-0.9998	1	0.82
Summer	Grayndle	1.0122	-0.0252	1.0001	0	0.82
Fingal	Paterson	0.8816	-0.0247	-0.9998	1	0.82
Mount	Cunningh	0.8487	-0.0247	-0.9998	1	0.82
Salamand	Paterson	0.9764	-0.0247	-0.9998	1	0.82
Warragam	Hume	0.9023	-0.0247	-0.9998	1	0.82
Young	Hume	0.8419	-0.0247	-0.9998	1	0.82
Birchgro	Sydney	1.1066	-0.0242	1.0001	0	0.82
Cordeaux	Cunningh	0.8471	-0.0242	-0.9998	1	0.82
Blaxcell	Reid	0.7622	-0.0237	-0.9998	1	0.82
Helensbu	Cunningh	0.8876	-0.0237	-0.9998	1	0.82
Kurrajon	Macquari	1.1718	-0.0237	1.0001	0	0.82
Holroyd	Prospect	0.8202	-0.0232	-0.9998	1	0.82
Ootha	Parkes	5.7997	-0.0232	1.0001	0	0.82
Royal	NorthSyd	0.9125	-0.0232	-0.9998	1	0.82
Wombarra	Cunningh	0.875	-0.0227	-0.9998	1	0.82
Yagoona	Blaxland	0.8365	-0.0222	-0.9998	1	0.82
Fifield	Parkes	1.0222	-0.0217	1.0001	0	0.82
Albion	Throsby	1.0015	-0.0213	1.0001	0	0.81
Bonnet	Hughes	1.1244	-0.0213	1.0001	0	0.81
Glendenn	Chifley	0.8456	-0.0213	-0.9998	1	0.81
Tuncurry	Paterson	0.7494	-0.0213	-0.9998	1	0.81
Kahibah	Shortlan	0.9421	-0.0208	-0.9998	1	0.81
Zetland	Sydney	0.7564	-0.0208	-0.9998	1	0.81
Greeneth	Parkes	0.7516	-0.0203	-0.9998	1	0.81
Emu	Lindsay	1.0463	-0.0198	1.0001	0	0.81
Sackvill	Werriwa	1.0275	-0.0198	1.0001	0	0.81
Erina	Dobell	0.8758	-0.0193	-0.9998	1	0.81
Kitchene	Hunter	0.8805	-0.0193	-0.9998	1	0.81
Wareemba	Lowe	0.7894	-0.0193	-0.9998	1	0.81
Garden	Charlton	0.9379	-0.0188	-0.9998	1	0.81
Russell	Cunningh	0.8587	-0.0188	-0.9998	1	0.81
Yarrawar	Hughes	0.943	-0.0188	-0.9998	1	0.81
Earlwood	Watson	0.8923	-0.0183	-0.9998	1	0.81
Homebush	Lowe	0.8819	-0.0183	-0.9998	1	0.81
Winston	Parramat	1.0493	-0.0183	1.0001	0	0.81
Awaba	Charlton	1.059	-0.0178	1.0001	0	0.81
Bandon	Paterson	0.6848	-0.0173	-0.9998	1	0.81
Haberfie	Lowe	0.7936	-0.0173	-0.9998	1	0.81
Hamlyn	Dobell	0.9396	-0.0173	-0.9998	1	0.81
Canyonle	Hume	0.6667	-0.0169	-0.9998	1	0.81
Cessnock	Hunter	1.0148	-0.0169	1.0001	0	0.81
Lochinva	Hunter	1.0847	-0.0169	1.0001	0	0.81
Wards	Paterson	0.8928	-0.0169	-0.9998	1	0.81
Bellambi	Cunningh	0.8109	-0.0164	-0.9998	1	0.81
Hoxton	Werriwa	0.901	-0.0159	-0.9998	1	0.81
Penrith	Lindsay	0.9556	-0.0154	-0.9998	1	0.81
Westleig	Berowra	1.1843	-0.0154	1.0001	0	0.81
Forster	Paterson	0.8171	-0.0149	-0.9998	1	0.81
Maryvill	Newcastl	0.9332	-0.0149	-0.9998	1	0.81
Grays	Cook	0.9871	-0.0144	-0.9998	1	0.81
Maitland	Hunter	0.953	-0.0144	-0.9998	1	0.81
North	Macquari	0.9585	-0.0144	-0.9998	1	0.81
Summer	Grayndle	1.0198	-0.0144	1.0001	0	0.81
Sylvania	Cook	1.0802	-0.0144	1.0001	0	0.80
Erina	Robertso	0.9865	-0.0139	-0.9998	1	0.80
Chipping	Hughes	0.9289	-0.0134	-0.9998	1	0.81
Empire	Robertso	0.9934	-0.0134	-0.9998	1	0.81
Cammeray	NorthSyd	1.1178	-0.013	1.0001	0	0.80
Erminto	Parramat	0.9234	-0.013	-0.9998	1	0.80
Gloucest	Paterson	0.9697	-0.0125	-0.9998	1	0.80
Kirribil	NorthSyd	0.9209	-0.0125	-0.9998	1	0.81
Denman	Hunter	0.9976	-0.012	-0.9998	1	0.81
Kingsgro	Watson	0.8978	-0.012	-0.9998	1	0.81
Mereweth	Newcastl	1.0332	-0.012	1.0001	0	0.80
Jewells	Shortlan	0.9677	-0.0115	-0.9998	1	0.80
Tighes	Newcastl	1.058	-0.0115	1.0001	0	0.80
Towradgi	Cunningh	0.7166	-0.0115	-0.9998	1	0.80
Bateau	Dobell	0.8014	-0.011	-0.9998	1	0.80
Soldiers	Paterson	0.8993	-0.01	-0.9998	1	0.80
Boronia	Bennelon	0.907	-0.009	-0.9998	1	0.80
Galong	Hume	0.4921	-0.009	-0.9998	1	0.81
Floravil	Shortlan	0.871	-0.0086	-0.9998	1	0.81
Matravil	Kingsfor	0.8327	-0.0086	-0.9998	1	0.81
Thornlei	Berowra	1.0135	-0.0086	1.0001	0	0.80
Unanderr	Cunningh	0.7682	-0.0086	-0.9998	1	0.80
Gorokan	Shortlan	0.9372	-0.0081	-0.9998	1	0.81
Bligh	Macquari	0.9285	-0.0076	-0.9998	1	0.81
The	Hume	0.947	-0.0071	-0.9998	1	0.81

Trundle	Parkes	0.9666	-0.0071	-0.9998	1	0.81
Hawks	Paterson	0.8192	-0.0061	-0.9998	1	0.81
Mannerin	Shortlan	0.9845	-0.0061	-0.9998	1	0.81
Cooperno	Lyne	0.839	-0.0056	-0.9998	1	0.81
Kenthurs	Mitchell	0.9879	-0.0056	-0.9998	1	0.81
Mount	Cunningh	0.8504	-0.0051	-0.9998	1	0.81
Beaumont	Mitchell	0.9425	-0.0046	-0.9998	1	0.81
Birrong	Blaxland	0.9369	-0.0046	-0.9998	1	0.81
Mooreban	Hughes	0.9459	-0.0046	-0.9998	1	0.81
Putney	Bennelon	0.8514	-0.0042	-0.9998	1	0.81
Berrima	Hume	0.9131	-0.0037	-0.9998	1	0.81
Deniston	Bennelon	0.8709	-0.0037	-0.9998	1	0.81
Pacific	Paterson	0.7967	-0.0037	-0.9998	1	0.81
Chain	Shortlan	0.9484	-0.0027	-0.9998	1	0.81
Diamond	Wentwort	0.7359	-0.0027	-0.9998	1	0.81
Bobs	Paterson	0.9543	-0.0022	-0.9998	1	0.81
Galston	Berowra	1.0911	-0.0022	1.0001	0	0.81
Nabiac	Paterson	0.9208	-0.0022	-0.9998	1	0.81
Nymagee	Parkes	1.1001	-0.0022	1.0001	0	0.81
Caringba	Cook	0.9457	-0.0017	-0.9998	1	0.81
Ashtonfi	Hunter	0.9931	-0.0012	-0.9998	1	0.81
Berowra	Berowra	1.0818	-0.0003	1.0001	0	0.81
Bowral	Hume	1.0445	-0.0003	1.0001	0	0.81
Kirrawee	Cook	1.0595	0.0001	1.0001	1	0.81
Riversto	Greenway	0.7958	0.0001	-0.9998	0	0.81
Greenacr	Blaxland	0.8238	0.0006	-0.9998	0	0.80
Bilpin	Macquari	1.1156	0.0011	1.0001	1	0.80
Galore	Riverina	2.1818	0.0011	1.0001	1	0.80
Gwandala	Shortlan	0.9986	0.0011	-0.9998	0	0.80
Morisset	Charlton	1.0465	0.0011	1.0001	1	0.80
Westmead	Parramat	0.8975	0.0011	-0.9998	0	0.80
Canada	Lowe	0.8547	0.0016	-0.9998	0	0.80
Henley	NorthSyd	0.9743	0.0016	-0.9998	0	0.80
The	Newcastl	1.1086	0.0016	1.0001	1	0.80
Bankstow	Blaxland	0.8405	0.0021	-0.9998	0	0.80
Glenhave	Mitchell	0.9391	0.0021	-0.9998	0	0.79
Tea	Paterson	0.764	0.0031	-0.9998	0	0.79
Lourdes	Parkes	0.8207	0.004	-0.9998	0	0.79
Marulan	Hume	0.7337	0.004	-0.9998	0	0.79
Asquith	Berowra	0.9496	0.0045	-0.9998	0	0.79
Stroud	Paterson	0.7169	0.0045	-0.9998	0	0.78
Beecroft	Berowra	1.2577	0.0055	1.0001	1	0.78
Mulbring	Hunter	0.9934	0.0055	-0.9998	0	0.78
Thredbo	Eden-Mon	1.0132	0.0055	1.0001	1	0.78
Corlette	Paterson	0.834	0.006	-0.9998	0	0.78
Millers	Paterson	0.924	0.006	-0.9998	0	0.78
Mortdale	Banks	0.8939	0.006	-0.9998	0	0.78
Narrabee	Mackella	0.995	0.0065	-0.9998	0	0.77
Balgowni	Cunningh	0.9493	0.007	-0.9998	0	0.77
Bowning	Hume	0.7108	0.007	-0.9998	0	0.77
East	Hunter	0.9477	0.007	-0.9998	0	0.77
Maroubra	Kingsfor	0.9744	0.007	-0.9998	0	0.77
Tullibig	Parkes	0.6847	0.007	-0.9998	0	0.76
Crookwel	Hume	0.9435	0.0075	-0.9998	0	0.76
Double	Wentwort	0.8486	0.0075	-0.9998	0	0.76
Adjungbi	Riverina	0.3706	0.0079	-0.9998	0	0.76
Mount	Cunningh	0.8318	0.0079	-0.9998	0	0.76
Woolloowa	Cook	1.0358	0.0079	1.0001	1	0.76
Austinme	Cunningh	0.7955	0.0089	-0.9998	0	0.76
Ettalong	Robertso	0.7741	0.0089	-0.9998	0	0.75
Wombat	Hume	0.949	0.0089	-0.9998	0	0.75
Jesmond	Newcastl	1.0856	0.0104	1.0001	1	0.75
Jilliby	Dobell	0.7656	0.0109	-0.9998	0	0.75
Tarrawan	Cunningh	0.8375	0.0109	-0.9998	0	0.75
Waratah	Newcastl	1.068	0.0109	1.0001	1	0.75
Weethall	Parkes	0.8803	0.0109	-0.9998	0	0.75
Marsfiel	Bennelon	0.8365	0.0114	-0.9998	0	0.75
Cherrybr	Berowra	1.0824	0.0119	1.0001	1	0.75
Kurnell	Cook	0.8026	0.0119	-0.9998	0	0.75
Undercli	Watson	1.0731	0.0119	1.0001	1	0.75
Hurstvil	Watson	0.963	0.0123	-0.9998	0	0.74
Mount	Berowra	1.051	0.0123	1.0001	1	0.74
Normanhu	Berowra	1.1368	0.0123	1.0001	1	0.75
North	Paterson	0.8918	0.0123	-0.9998	0	0.74
Wallarob	Paterson	0.8963	0.0123	-0.9998	0	0.74
Coolongo	Paterson	0.864	0.0128	-0.9998	0	0.74
Bexley	Barton	0.9989	0.0133	-0.9998	0	0.74
Dudley	Shortlan	0.9959	0.0133	-0.9998	0	0.74
Whitebri	Shortlan	0.9847	0.0133	-0.9998	0	0.73
Cumborah	Gwydir	1.5909	0.0138	1.0001	1	0.74
Keiravil	Cunningh	0.951	0.0138	-0.9998	0	0.73
Merriwag	Parkes	1.077	0.0138	1.0001	1	0.73
Cranebro	Lindsay	1.1007	0.0143	1.0001	1	0.74
Hermidal	Parkes	1.6523	0.0143	1.0001	1	0.74
Padstow	Banks	0.9347	0.0143	-0.9998	0	0.73
St	Macarthu	0.7755	0.0143	-0.9998	0	0.73
Adamstow	Newcastl	1.0784	0.0148	1.0001	1	0.73
Lambton	Newcastl	1.0812	0.0148	1.0001	1	0.73
Claremon	Lindsay	0.9016	0.0153	-0.9998	0	0.73
Failford	Paterson	0.6519	0.0153	-0.9998	0	0.73
Malabar	Kingsfor	0.9164	0.0153	-0.9998	0	0.73

Wyee	Charlton	0.9701	0.0153	-0.9998	0	0.73
Kareela	Cook	1.0262	0.0158	1.0001	1	0.73
Nevertir	Parkes	1.3101	0.0158	1.0001	1	0.73
Wee	Hume	0.708	0.0158	-0.9998	0	0.73
Bulahdel	Paterson	0.8164	0.0162	-0.9998	0	0.72
Tomingle	Parkes	0.9806	0.0162	-0.9998	0	0.72
Watsons	Wentwort	0.7851	0.0162	-0.9998	0	0.72
Wongarbo	Parkes	1.0878	0.0162	1.0001	1	0.72
Albert	Parkes	0.7632	0.0167	-0.9998	0	0.72
Silverwa	Reid	0.8222	0.0167	-0.9998	0	0.72
Ladysmit	Riverina	1.1225	0.0172	1.0001	1	0.72
Cardiff	Charlton	1.0285	0.0177	1.0001	1	0.72
Coolabah	Parkes	0.3318	0.0177	-0.9998	0	0.72
McGraths	Macquari	0.7836	0.0177	-0.9998	0	0.72
Bonnells	Charlton	0.9614	0.0182	-0.9998	0	0.72
Dora	Charlton	0.927	0.0182	-0.9998	0	0.71
Kogarah	Barton	0.9393	0.0182	-0.9998	0	0.71
Prestons	Werriwa	0.9153	0.0182	-0.9998	0	0.71
Dangar	Berowra	1.2084	0.0187	1.0001	1	0.71
Yarramal	Dobell	0.8101	0.0187	-0.9998	0	0.71
Davistow	Robertso	0.9299	0.0192	-0.9998	0	0.71
Muswellb	Hunter	1.0493	0.0192	1.0001	1	0.71
Enfield	Lowe	0.9497	0.0197	-0.9998	0	0.71
Nangus	Riverina	0.8816	0.0197	-0.9998	0	0.71
New	Newcastl	1.1236	0.0197	1.0001	1	0.71
Lake	Shortlan	0.9292	0.0202	-0.9998	0	0.71
Holgate	Dobell	0.8443	0.0211	-0.9998	0	0.70
Maianbar	Cook	0.9194	0.0211	-0.9998	0	0.70
Thirroul	Cunningh	0.8266	0.0216	-0.9998	0	0.70
Ballador	Gwydir	2.1379	0.0221	1.0001	1	0.70
Brownsvi	Throsby	1.0098	0.0221	1.0001	1	0.70
Gravesen	Gwydir	0.9144	0.0221	-0.9998	0	0.70
Gunningb	Parkes	1.0176	0.0221	1.0001	1	0.70
Tomago	Paterson	0.8181	0.0221	-0.9998	0	0.70
Tullamor	Parkes	0.9858	0.0221	-0.9998	0	0.70
Campbell	Macarthu	0.863	0.0226	-0.9998	0	0.70
Hamilton	Newcastl	0.9992	0.0226	-0.9998	0	0.70
Stroud	Paterson	0.9038	0.0226	-0.9998	0	0.69
Toorawee	Gwydir	1.3615	0.0226	1.0001	1	0.69
Girilamb	Parkes	0.4454	0.0231	-0.9998	0	0.69
Tallimba	Parkes	1.0564	0.0231	1.0001	1	0.69
West	Mitchell	1.0118	0.0231	1.0001	1	0.69
Coomba	Paterson	1.0487	0.0236	1.0001	1	0.69
Drummoyne	Lowe	0.9494	0.0236	-0.9998	0	0.69
Lord	Sydney	1.1695	0.0236	1.0001	1	0.69
Ungarie	Parkes	1.1958	0.0236	1.0001	1	0.69
Annamgro	Mitchell	0.9624	0.0241	-0.9998	0	0.69
Bass	Blaxland	0.9108	0.0241	-0.9998	0	0.69
Binda	Hume	1.2062	0.0241	1.0001	1	0.69
Dooralon	Dobell	0.6708	0.0241	-0.9998	0	0.69
Glossodi	Macquari	0.8253	0.0241	-0.9998	0	0.69
Gunning	Hume	1.0751	0.0241	1.0001	1	0.69
Millfiel	Hunter	0.9116	0.0241	-0.9998	0	0.69
Seven	Greenway	0.8105	0.0241	-0.9998	0	0.69
Binalong	Hume	0.8552	0.0245	-0.9998	0	0.69
Coolac	Riverina	0.9778	0.0245	-0.9998	0	0.68
Mona	Mackella	0.9444	0.0245	-0.9998	0	0.68
Mulgoa	Lindsay	0.8282	0.0245	-0.9998	0	0.68
Pretty	Robertso	1.0202	0.0245	1.0001	1	0.68
Dalton	Hume	0.811	0.025	-0.9998	0	0.68
Eastern	Chifley	0.9061	0.025	-0.9998	0	0.68
Kotara	Newcastl	1.0381	0.025	1.0001	1	0.68
La	Kingsfor	0.9602	0.025	-0.9998	0	0.68
Mount	Macquari	1.0681	0.025	1.0001	1	0.68
Newport	Mackella	0.9398	0.025	-0.9998	0	0.68
Lorn	Hunter	1.0594	0.0255	1.0001	1	0.68
Tallong	Hume	0.8571	0.026	-0.9998	0	0.68
Koorawat	Hume	1.0586	0.0265	1.0001	1	0.68
Lidcombe	Reid	0.8153	0.0265	-0.9998	0	0.68
Otford	Cunningh	0.9877	0.0265	-0.9998	0	0.68
Jugiong	Hume	0.8051	0.0275	-0.9998	0	0.67
Coalclif	Cunningh	0.6816	0.028	-0.9998	0	0.67
Umina	Robertso	0.8556	0.028	-0.9998	0	0.67
Cronulla	Cook	0.9906	0.0289	-0.9998	0	0.67
Goolgowi	Riverina	1.2956	0.0289	1.0001	1	0.67
Gumly	Riverina	1.0365	0.0289	1.0001	1	0.67
Mendoora	Gwydir	0.7891	0.0289	-0.9998	0	0.67
Narwee	Banks	0.895	0.0299	-0.9998	0	0.67
Trangie	Parkes	0.9399	0.0299	-0.9998	0	0.67
Uranquin	Riverina	1.0869	0.0299	1.0001	1	0.67
Wootton	Paterson	1.0933	0.0299	1.0001	1	0.67
Woronora	Hughes	0.8857	0.0299	-0.9998	0	0.67
Point	Robertso	1.0003	0.0304	1.0001	1	0.67
Yowie	Cook	1.0214	0.0304	1.0001	1	0.67
Burrane	Cook	1.027	0.0309	1.0001	1	0.67
Concord	Lowe	0.8324	0.0309	-0.9998	0	0.67
Kyeemagh	Barton	0.9593	0.0309	-0.9998	0	0.67
Kotara	Newcastl	1.0132	0.0314	1.0001	1	0.67
Narromin	Parkes	0.9456	0.0314	-0.9998	0	0.67
Bellevue	Wentwort	0.8775	0.0324	-0.9998	0	0.67
Bungonia	Hume	1.0391	0.0324	1.0001	1	0.67

Deniston	Bennelon	0.8667	0.0324	-0.9998	0	0.66
Wentworth	Parramat	0.8801	0.0324	-0.9998	0	0.66
Ryde	Bennelon	0.7804	0.0328	-0.9998	0	0.66
Toukley	Shortlan	0.9837	0.0328	-0.9998	0	0.66
Marrar	Riverina	1.4852	0.0333	1.0001	1	0.66
Russell	Lowe	0.832	0.0333	-0.9998	0	0.66
Euabalon	Parkes	0.8813	0.0338	-0.9998	0	0.66
Harringt	Macarthu	0.8573	0.0338	-0.9998	0	0.66
Wirrinya	Parkes	1.5384	0.0338	1.0001	1	0.66
Bedgereb	Parkes	1.1614	0.0343	1.0001	1	0.66
Grenfell	Parkes	0.9012	0.0348	-0.9998	0	0.66
Hamilton	Newcastl	1.0848	0.0348	1.0001	1	0.66
Monteagl	Hume	1.1112	0.0348	1.0001	1	0.66
Orchard	Lindsay	0.9873	0.0348	-0.9998	0	0.66
Belmore	Watson	0.9465	0.0353	-0.9998	0	0.66
Mount	Blaxland	0.9077	0.0353	-0.9998	0	0.66
Woy	Robertso	0.9881	0.0353	-0.9998	0	0.65
Freemans	Macquari	0.9666	0.0358	-0.9998	0	0.65
Humula	Riverina	1.093	0.0358	1.0001	1	0.65
Jamisont	Lindsay	1.0486	0.0358	1.0001	1	0.65
Tarcutta	Riverina	1.4696	0.0358	1.0001	1	0.66
Wisemans	Berowra	0.6278	0.0358	-0.9998	0	0.65
Maryland	Newcastl	1.1801	0.0363	1.0001	1	0.65
Ulmarra	Cowper	0.8734	0.0363	-0.9998	0	0.65
Belrose	Mackella	0.9775	0.0368	-0.9998	0	0.65
Bendick	Hume	0.8583	0.0368	-0.9998	0	0.65
Brooms	Cowper	0.9178	0.0368	-0.9998	0	0.65
White	Parkes	0.947	0.0368	-0.9998	0	0.65
Rockdale	Barton	0.8554	0.0372	-0.9998	0	0.65
Wheeler	Mackella	1.0164	0.0372	1.0001	1	0.65
Cooranbo	Charlton	0.9206	0.0377	-0.9998	0	0.65
Leonay	Lindsay	1.053	0.0377	1.0001	1	0.65
Doonside	Chifley	0.8602	0.0382	-0.9998	0	0.65
Gulmarra	Cowper	0.8877	0.0382	-0.9998	0	0.65
Panania	Banks	0.8839	0.0382	-0.9998	0	0.64
Chester	Blaxland	0.8807	0.0387	-0.9998	0	0.64
Ramsgate	Barton	0.9522	0.0387	-0.9998	0	0.64
Wallendb	Riverina	0.8251	0.0387	-0.9998	0	0.64
Wyalong	Parkes	1.0339	0.0387	1.0001	1	0.64
Camden	Macarthu	0.8587	0.0392	-0.9998	0	0.64
Grong	Riverina	0.8994	0.0392	-0.9998	0	0.64
Lalor	Greenway	0.748	0.0392	-0.9998	0	0.64
Turrella	Barton	0.8244	0.0392	-0.9998	0	0.64
Beckom	Riverina	1.665	0.0402	1.0001	1	0.64
Summerla	Shortlan	1.0229	0.0402	1.0001	1	0.64
Blacktow	Greenway	0.7123	0.0407	-0.9998	0	0.64
Milperra	Banks	1.0075	0.0407	1.0001	1	0.64
Burcher	Parkes	0.6607	0.0411	-0.9998	0	0.64
Glenquar	Hume	0.8702	0.0411	-0.9998	0	0.64
Geurie	Gwydir	0.9443	0.0416	-0.9998	0	0.63
Monterey	Barton	0.9474	0.0416	-0.9998	0	0.63
Cremorne	NorthSyd	1.0812	0.0421	1.0001	1	0.63
Rankins	Riverina	1.2114	0.0421	1.0001	1	0.63
Waitara	Berowra	1.0435	0.0421	1.0001	1	0.64
Forbes	Parkes	0.7522	0.0426	-0.9998	0	0.63
Coleamba	Riverina	1.0256	0.0431	1.0001	1	0.63
Dolans	Cook	0.9987	0.0431	-0.9998	0	0.63
Lower	Hunter	1.0821	0.0436	1.0001	1	0.63
Bylong	Gwydir	1.355	0.0441	1.0001	1	0.64
Karuah	Paterson	0.7506	0.0441	-0.9998	0	0.63
Kurmond	Macquari	1.0134	0.0441	1.0001	1	0.63
Arnclyff	Barton	0.9074	0.0446	-0.9998	0	0.63
Chullora	Blaxland	0.914	0.0446	-0.9998	0	0.63
Mirrool	Parkes	1.0911	0.0446	1.0001	1	0.63
Nords	Shortlan	0.9847	0.0451	-0.9998	0	0.63
Charmhav	Shortlan	1.0097	0.0455	1.0001	1	0.63
Deniston	Bennelon	0.8644	0.0455	-0.9998	0	0.63
Kariong	Robertso	1.0226	0.0455	1.0001	1	0.63
Beverly	Watson	1.0209	0.046	1.0001	1	0.63
Condobol	Parkes	0.9148	0.046	-0.9998	0	0.63
Green	Paterson	0.724	0.046	-0.9998	0	0.63
Longuevi	NorthSyd	1.1673	0.046	1.0001	1	0.63
Oakhill	Berowra	0.9641	0.046	-0.9998	0	0.63
Allawah	Barton	1.0495	0.0465	1.0001	1	0.63
Dundurra	Page	0.8942	0.0465	-0.9998	0	0.63
Muirfiel	Mitchell	0.9501	0.0465	-0.9998	0	0.63
Narrawee	Mackella	0.8966	0.047	-0.9998	0	0.63
Pitt	Macquari	0.6777	0.047	-0.9998	0	0.63
Bogan	Parkes	1.0172	0.0475	1.0001	1	0.63
Eumunger	Parkes	1.263	0.0475	1.0001	1	0.63
Leumeah	Macarthu	0.9417	0.0475	-0.9998	0	0.63
Premier	Gwydir	1.0167	0.0475	1.0001	1	0.63
Rouse	Mitchell	0.8838	0.0475	-0.9998	0	0.63
Carringt	Macarthu	0.8905	0.048	-0.9998	0	0.63
Tucabia	Cowper	1.0148	0.048	1.0001	1	0.63
Mount	Hume	0.6427	0.049	-0.9998	0	0.63
Mullaley	Gwydir	1.1764	0.049	1.0001	1	0.63
Pendle	Parramat	0.8355	0.049	-0.9998	0	0.62
Concord	Lowe	0.936	0.0494	-0.9998	0	0.62
Lakemba	Watson	0.8418	0.0494	-0.9998	0	0.62
Mangopla	Riverina	1.5876	0.0494	1.0001	1	0.62

Largs	Hunter	1.0283	0.0499	1.0001	1	0.62
Birmingham	Newcastl	1.1458	0.0504	1.0001	1	0.62
Collecto	Hume	1.0679	0.0509	1.0001	1	0.63
Quandial	Parkes	0.9018	0.0509	-0.9998	0	0.62
Wallacia	Lindsay	1.0419	0.0509	1.0001	1	0.62
Crestwoo	Mitchell	0.9047	0.0514	-0.9998	0	0.62
West	Parkes	0.8141	0.0514	-0.9998	0	0.62
Hornsby	Berowra	1.0961	0.0519	1.0001	1	0.62
Kundabun	Lyne	0.7691	0.0519	-0.9998	0	0.62
Chiswick	Lowe	0.9192	0.0524	-0.9998	0	0.62
Dover	Wentwort	0.6807	0.0524	-0.9998	0	0.62
Woonona	Cunningh	0.8954	0.0524	-0.9998	0	0.62
Glenorie	Berowra	0.8079	0.0534	-0.9998	0	0.62
Blakehur	Barton	1.057	0.0538	1.0001	1	0.62
Castlec	NorthSyd	1.0009	0.0538	1.0001	1	0.62
Collaroy	Mackella	1.0636	0.0538	1.0001	1	0.62
Hunters	NorthSyd	1.2463	0.0538	1.0001	1	0.62
Bulli	Cunningh	0.7867	0.0543	-0.9998	0	0.62
Middle	NorthSyd	1.1102	0.0543	1.0001	1	0.62
Norah	Shortlan	0.8967	0.0543	-0.9998	0	0.62
Sans	Barton	0.9315	0.0543	-0.9998	0	0.62
Strathfi	Lowe	0.8951	0.0543	-0.9998	0	0.62
Peakhurs	Banks	1.0111	0.0548	1.0001	1	0.62
Tilpa	Parkes	2.0475	0.0548	1.0001	1	0.62
Waterfal	Hughes	1.0445	0.0553	1.0001	1	0.62
Camden	Macarthu	0.897	0.0558	-0.9998	0	0.62
Mount	Robertso	1.2576	0.0558	1.0001	1	0.62
Caragaba	Parkes	1.2185	0.0563	1.0001	1	0.62
Kilaben	Charlton	1.0345	0.0568	1.0001	1	0.62
Rowena	Gwydir	0.4376	0.0568	-0.9998	0	0.62
Guildfor	Reid	0.8039	0.0573	-0.9998	0	0.62
Lindfiel	Bradfiel	0.9777	0.0573	-0.9998	0	0.62
Wooli	Cowper	0.9487	0.0573	-0.9998	0	0.62
Milsons	NorthSyd	1.0847	0.0582	1.0001	1	0.62
Temora	Riverina	0.8984	0.0582	-0.9998	0	0.62
Woolwich	NorthSyd	1.2077	0.0582	1.0001	1	0.62
Mount	Cunningh	0.8904	0.0587	-0.9998	0	0.62
Nulkaba	Hunter	1.178	0.0592	1.0001	1	0.62
Quambone	Gwydir	1.1697	0.0592	1.0001	1	0.62
Tambar	Gwydir	0.676	0.0592	-0.9998	0	0.62
Cookamid	Parkes	0.6896	0.0597	-0.9998	0	0.62
Ariah	Riverina	1.233	0.0602	1.0001	1	0.62
Matong	Riverina	0.8901	0.0607	-0.9998	0	0.61
Sandy	Hunter	0.892	0.0607	-0.9998	0	0.61
Sefton	Blaxland	0.9413	0.0612	-0.9998	0	0.61
Baulkham	Mitchell	1.0719	0.0617	1.0001	1	0.61
Hardys	Robertso	0.9363	0.0617	-0.9998	0	0.61
Bullarah	Gwydir	1.3717	0.0621	1.0001	1	0.61
Rollands	Lyne	1.1284	0.0621	1.0001	1	0.61
Burrell	Lyne	0.8018	0.0631	-0.9998	0	0.61
Castlere	Lindsay	1.0282	0.0631	1.0001	1	0.61
Illabo	Riverina	0.9716	0.0631	-0.9998	0	0.61
Pearl	Robertso	1.2297	0.0636	1.0001	1	0.61
Forbes	Parkes	0.98	0.0641	-0.9998	0	0.61
Newrybar	Richmond	1.0753	0.0641	1.0001	1	0.61
Carlingf	Bennelon	0.9252	0.0646	-0.9998	0	0.61
Dee	Mackella	0.9494	0.0646	-0.9998	0	0.61
Coolah	Gwydir	1.0516	0.0651	1.0001	1	0.61
Warrawee	Bradfiel	1.0508	0.0651	1.0001	1	0.61
Boomi	Gwydir	1.4593	0.0656	1.0001	1	0.61
Orana	Parkes	0.9381	0.0656	-0.9998	0	0.61
Campsie	Watson	0.8778	0.0661	-0.9998	0	0.61
Minmi	Newcastl	0.9535	0.0661	-0.9998	0	0.61
Tumblong	Riverina	1.154	0.0661	1.0001	1	0.61
Dorrigo	Cowper	0.9752	0.0665	-0.9998	0	0.61
Huntingd	Lyne	0.6911	0.0665	-0.9998	0	0.61
Glen	Gwydir	1.8628	0.067	1.0001	1	0.61
Gosford	Robertso	1.0005	0.0675	1.0001	1	0.61
Mcleans	Richmond	1.4654	0.0675	1.0001	1	0.61
Milbroda	Hunter	1.0241	0.0675	1.0001	1	0.61
Rosevill	Bradfiel	1.0589	0.0675	1.0001	1	0.61
Croppa	Gwydir	1.1459	0.0685	1.0001	1	0.61
Middle	Berowra	0.7974	0.0685	-0.9998	0	0.61
Palmers	Cowper	0.9335	0.0685	-0.9998	0	0.61
Maraylya	Macquari	0.989	0.069	-0.9998	0	0.61
Patonga	Robertso	0.8584	0.069	-0.9998	0	0.61
Vineyard	Greenway	0.8209	0.069	-0.9998	0	0.61
Wollombi	Hunter	0.954	0.0695	-0.9998	0	0.61
Catherin	Macarthu	0.7759	0.07	-0.9998	0	0.61
Fernleig	Richmond	1.1421	0.07	1.0001	1	0.61
Kangaroo	Hume	1.0575	0.0704	1.0001	1	0.61
Bonville	Cowper	1.037	0.0709	1.0001	1	0.61
Booker	Robertso	1.0398	0.0709	1.0001	1	0.61
Tulloona	Gwydir	1.6886	0.0709	1.0001	1	0.61
Coolamon	Riverina	0.859	0.0714	-0.9998	0	0.61
Lilli	Cook	1.053	0.0714	1.0001	1	0.61
Stockinb	Riverina	0.8203	0.0714	-0.9998	0	0.61
Dyers	Lyne	0.8647	0.0719	-0.9998	0	0.61
Roslyn	Sydney	1.0165	0.0719	1.0001	1	0.61
Gleniffe	Cowper	1.0768	0.0724	1.0001	1	0.61
Jindabyn	Eden-Mon	1.1528	0.0724	1.0001	1	0.61

Ganmain	Riverina	0.7305	0.0729	-0.9998	0	0.61
Warriewo	Mackella	0.8138	0.0729	-0.9998	0	0.61
Willough	Bradfiel	1.1644	0.0729	1.0001	1	0.61
Bilgola	Mackella	0.9414	0.0734	-0.9998	0	0.61
Korora	Cowper	1.0881	0.0734	1.0001	1	0.61
Leppingt	Macarthu	0.825	0.0744	-0.9998	0	0.61
Pokolbin	Hunter	1.0978	0.0744	1.0001	1	0.61
Picnic	Banks	0.9032	0.0748	-0.9998	0	0.61
Taren	Cook	0.9888	0.0753	-0.9998	0	0.60
Bellimbo	Cowper	0.7884	0.0758	-0.9998	0	0.60
Comboyne	Lyne	0.9833	0.0758	-0.9998	0	0.60
Maclean	Cowper	0.9364	0.0768	-0.9998	0	0.60
Whiporie	Page	1.4215	0.0768	1.0001	1	0.60
Airds	Macarthu	0.7597	0.0773	-0.9998	0	0.60
Bowravil	Cowper	1.0485	0.0773	1.0001	1	0.60
Nyngan	Parkes	0.8929	0.0778	-0.9998	0	0.60
Bostobri	Cowper	1.1363	0.0783	1.0001	1	0.60
Aldavill	Lyne	0.8581	0.0787	-0.9998	0	0.60
Jerrys	Hunter	1.0985	0.0787	1.0001	1	0.60
Mayfield	Newcastl	0.9853	0.0787	-0.9998	0	0.60
Burren	Gwydir	0.7421	0.0792	-0.9998	0	0.60
Wybong	Hunter	1.2298	0.0792	1.0001	1	0.60
Boambee	Cowper	1.1797	0.0797	1.0001	1	0.60
Duranbah	Richmond	0.9635	0.0797	-0.9998	0	0.60
Oxley	Lyne	1.0371	0.0797	1.0001	1	0.60
Beacon	Mackella	0.968	0.0802	-0.9998	0	0.60
Byabarra	Lyne	0.7243	0.0802	-0.9998	0	0.60
Kempsey	Lyne	0.9559	0.0802	-0.9998	0	0.60
Murrin	Parkes	0.659	0.0807	-0.9998	0	0.60
Pembrook	Lyne	0.469	0.0807	-0.9998	0	0.60
Krambach	Lyne	0.9632	0.0812	-0.9998	0	0.60
Mount	Chifley	0.8011	0.0812	-0.9998	0	0.60
Beechwoo	Lyne	0.8492	0.0817	-0.9998	0	0.59
Casula	Werriwa	0.9191	0.0817	-0.9998	0	0.59
Hammondv	Hughes	0.9809	0.0817	-0.9998	0	0.59
Kulhura	Dobell	1.029	0.0817	1.0001	1	0.59
Wauchope	Lyne	0.8966	0.0822	-0.9998	0	0.59
Emerald	Lyne	0.9331	0.0827	-0.9998	0	0.59
Hollisda	Lyne	0.8759	0.0827	-0.9998	0	0.59
Carey	Charlton	1.0653	0.0831	1.0001	1	0.59
Collingu	Riverina	0.7526	0.0831	-0.9998	0	0.59
Wilcanni	Parkes	0.8933	0.0831	-0.9998	0	0.59
Binya	Riverina	1.4489	0.0836	1.0001	1	0.59
Goodooga	Gwydir	0.503	0.0836	-0.9998	0	0.59
Karangi	Cowper	0.9767	0.0836	-0.9998	0	0.59
June	Riverina	0.8707	0.0846	-0.9998	0	0.59
Lake	Riverina	1.0382	0.0846	1.0001	1	0.59
Bangalow	Richmond	1.0678	0.0851	1.0001	1	0.59
Garah	Gwydir	1.0947	0.0851	1.0001	1	0.59
Gundagai	Riverina	0.9181	0.0851	-0.9998	0	0.59
Hillston	Parkes	0.7978	0.0851	-0.9998	0	0.59
Kotara	Newcastl	1.1622	0.0851	1.0001	1	0.59
Ardletha	Riverina	1.0539	0.0856	1.0001	1	0.59
Crescent	Lyne	0.943	0.0856	-0.9998	0	0.59
Tuena	Hume	1.611	0.0856	1.0001	1	0.59
Dubbo	Parkes	0.9329	0.0861	-0.9998	0	0.59
Alstonvi	Richmond	1.0893	0.0866	1.0001	1	0.59
Macksvil	Cowper	0.9665	0.0866	-0.9998	0	0.59
Telegrap	Lyne	0.838	0.0875	-0.9998	0	0.59
Tregeagl	Page	1.2967	0.0875	1.0001	1	0.59
Lurnea	Werriwa	0.8821	0.0885	-0.9998	0	0.59
Ewingsda	Richmond	1.171	0.089	1.0001	1	0.59
Bookham	Hume	1.217	0.0895	1.0001	1	0.59
Rappvill	Page	0.7549	0.0895	-0.9998	0	0.59
Riverwoo	Banks	0.8832	0.0895	-0.9998	0	0.59
Castle	Bradfiel	1.019	0.09	1.0001	1	0.59
Martinda	Hunter	0.791	0.09	-0.9998	0	0.59
Bethungr	Riverina	1.1392	0.0905	1.0001	1	0.59
Coonambl	Gwydir	1.0845	0.091	1.0001	1	0.59
Leadvill	Gwydir	1.0544	0.091	1.0001	1	0.59
Cowan	Berowra	0.9727	0.0914	-0.9998	0	0.59
Bringell	Macarthu	0.9484	0.0919	-0.9998	0	0.59
Cobar	Parkes	0.9002	0.0924	-0.9998	0	0.59
Werringt	Lindsay	0.9815	0.0924	-0.9998	0	0.59
Roselea	Bennelon	1.007	0.0929	1.0001	1	0.59
West	Werriwa	0.8109	0.0929	-0.9998	0	0.59
Darlingt	Riverina	0.9833	0.0934	-0.9998	0	0.58
Minchinb	Chifley	0.8332	0.0939	-0.9998	0	0.58
Nambucca	Cowper	0.9286	0.0939	-0.9998	0	0.58
Terry	Gwydir	1.0919	0.0939	1.0001	1	0.58
Colo	Macquari	1.057	0.0944	1.0001	1	0.58
Rous	Richmond	1.1408	0.0944	1.0001	1	0.58
Barellan	Riverina	1.214	0.0949	1.0001	1	0.59
Rugby	Hume	0.8666	0.0949	-0.9998	0	0.58
Spring	Gwydir	1.3238	0.0949	1.0001	1	0.59
Woombah	Page	1.0953	0.0949	1.0001	1	0.59
Bellinge	Cowper	0.7733	0.0953	-0.9998	0	0.58
Kempsey	Lyne	0.8858	0.0953	-0.9998	0	0.58
Cobbitty	Hume	1.051	0.0958	1.0001	1	0.58
Glenfiel	Riverina	1.0693	0.0958	1.0001	1	0.59
Bardwell	Watson	1.0128	0.0963	1.0001	1	0.59

Schofiel	Greenway	0.7536	0.0968	-0.9998	0	0.58
Tathra	Eden-Mon	0.9633	0.0968	-0.9998	0	0.58
Maimuru	Hume	0.2312	0.0973	-0.9998	0	0.58
Shortlan	Newcastl	1.091	0.0978	1.0001	1	0.58
Kendall	Lyne	0.8149	0.0983	-0.9998	0	0.58
Wallsend	Newcastl	0.9748	0.0983	-0.9998	0	0.58
Mount	Riverina	1.0471	0.0988	1.0001	1	0.58
Oakville	Macquari	0.8313	0.0988	-0.9998	0	0.58
Baradine	Gwydir	0.8912	0.0993	-0.9998	0	0.58
Gulgong	Gwydir	1.03	0.0993	1.0001	1	0.58
Bellata	Gwydir	1.1198	0.0997	1.0001	1	0.58
Bodalla	Eden-Mon	0.9719	0.0997	-0.9998	0	0.58
Elong	Gwydir	0.7073	0.0997	-0.9998	0	0.58
Hat	Cowper	0.9496	0.0997	-0.9998	0	0.58
Vaucluse	Wentwort	0.6088	0.0997	-0.9998	0	0.58
Bermagui	Eden-Mon	0.9835	0.1002	-0.9998	0	0.58
Bigga	Hume	0.8032	0.1002	-0.9998	0	0.58
Kentlyn	Macarthur	1.1058	0.1002	1.0001	1	0.58
Cootamun	Riverina	0.8789	0.1007	-0.9998	0	0.58
Grose	Macquari	1.1654	0.1007	1.0001	1	0.58
Wallabad	Gwydir	1.0895	0.1007	1.0001	1	0.58
Yarramun	Macquari	0.9083	0.1007	-0.9998	0	0.58
Berala	Reid	0.8146	0.1012	-0.9998	0	0.58
Louth	Gwydir	1.313	0.1012	1.0001	1	0.58
Revesby	Banks	0.8921	0.1017	-0.9998	0	0.58
Frederic	Lyne	0.8275	0.1022	-0.9998	0	0.58
Kyogle	Page	1.1474	0.1022	1.0001	1	0.58
Quirindi	Gwydir	0.9857	0.1022	-0.9998	0	0.58
West	Lyne	0.8866	0.1022	-0.9998	0	0.58
Blackett	Chifley	0.9145	0.1027	-0.9998	0	0.58
Johns	Lyne	1.0821	0.1027	1.0001	1	0.58
Quaama	Eden-Mon	0.9879	0.1027	-0.9998	0	0.58
Carratho	Riverina	1.2548	0.1036	1.0001	1	0.58
Taralga	Hume	0.811	0.1036	-0.9998	0	0.58
Wahroong	Bradfiel	1.1017	0.1036	1.0001	1	0.58
Goolma	Gwydir	0.9725	0.1041	-0.9998	0	0.57
Breeza	Gwydir	0.746	0.1046	-0.9998	0	0.57
Eucharee	Gwydir	1.2209	0.1046	1.0001	1	0.57
Rhodes	Lowe	0.908	0.1046	-0.9998	0	0.57
Condong	Richmond	0.9826	0.1051	-0.9998	0	0.57
Willow	Gwydir	0.8854	0.1051	-0.9998	0	0.57
Cudgen	Richmond	0.7757	0.1056	-0.9998	0	0.57
Mallanga	Page	1.2084	0.1056	1.0001	1	0.57
Gunnedah	Gwydir	0.9132	0.1061	-0.9998	0	0.57
Moonee	Cowper	1.034	0.1061	1.0001	1	0.57
Pine	Gwydir	1.352	0.1061	1.0001	1	0.57
Blackvil	Gwydir	1.3802	0.1066	1.0001	1	0.57
Terrey	Mackella	1.0456	0.1066	1.0001	1	0.57
Caroona	Gwydir	0.6787	0.1071	-0.9998	0	0.57
Elands	Lyne	1.0452	0.1071	1.0001	1	0.57
Frenchs	Mackella	1.0624	0.1071	1.0001	1	0.57
Sandy	Cowper	0.9585	0.1071	-0.9998	0	0.57
Southgat	Page	1.1631	0.1071	1.0001	1	0.57
Wherrol	Lyne	0.7114	0.1071	-0.9998	0	0.57
Port	Lyne	0.9507	0.1076	-0.9998	0	0.57
Willawar	Cowper	0.9402	0.1076	-0.9998	0	0.57
Coonabar	Gwydir	1.0788	0.108	1.0001	1	0.57
Dalmeny	Eden-Mon	0.9872	0.108	-0.9998	0	0.57
Parkes	Parkes	0.7265	0.109	-0.9998	0	0.57
Gulgargam	Gwydir	1.2331	0.1095	1.0001	1	0.57
Missabot	Cowper	0.946	0.1095	-0.9998	0	0.57
Homebush	Lowe	0.9049	0.11	-0.9998	0	0.57
Narooma	Eden-Mon	1.0499	0.11	1.0001	1	0.57
San	Riverina	1.0554	0.11	1.0001	1	0.57
Currawar	Riverina	0.7872	0.1105	-0.9998	0	0.57
Wanaarin	Gwydir	1.3641	0.1105	1.0001	1	0.57
Berridal	Eden-Mon	0.9782	0.111	-0.9998	0	0.57
Kingscli	Richmond	0.9767	0.111	-0.9998	0	0.57
Montefio	Gwydir	1.5076	0.111	1.0001	1	0.57
Wollongb	Richmond	1.1104	0.111	1.0001	1	0.57
Eleebana	Shortlan	1.0331	0.1115	1.0001	1	0.57
Turvey	Riverina	1.0425	0.1115	1.0001	1	0.57
Curban	Gwydir	23.478	0.1119	1.0001	1	0.57
Wallaga	Eden-Mon	0.8689	0.1119	-0.9998	0	0.57
Old	Lyne	0.7594	0.1124	-0.9998	0	0.57
Raleigh	Cowper	1.1447	0.1124	1.0001	1	0.57
Scotts	Cowper	0.9718	0.1124	-0.9998	0	0.57
Woolgool	Cowper	0.9824	0.1124	-0.9998	0	0.57
Cobargo	Eden-Mon	1.0597	0.1134	1.0001	1	0.57
Stanwell	Cunningh	0.9145	0.1134	-0.9998	0	0.57
Coal	Charlton	0.9583	0.1139	-0.9998	0	0.57
Austral	Macarthur	0.7259	0.1149	-0.9998	0	0.57
Settleme	Lyne	0.9724	0.1149	-0.9998	0	0.57
St	Chifley	0.9251	0.1149	-0.9998	0	0.57
Tatton	Riverina	0.8743	0.1149	-0.9998	0	0.57
Ashcroft	Fowler	0.9439	0.1154	-0.9998	0	0.57
Kelvin	Gwydir	2.2272	0.1173	1.0001	1	0.57
Bayldon	Cowper	0.9729	0.1183	-0.9998	0	0.57
Taree	Lyne	0.7579	0.1183	-0.9998	0	0.57
Toormina	Cowper	0.977	0.1183	-0.9998	0	0.56
Badgerys	Macarthur	0.9847	0.1188	-0.9998	0	0.56

Moss	Gilmore	0.8853	0.1188	-0.9998	0	0.56
Mudgee	Gwydir	0.834	0.1188	-0.9998	0	0.56
Pottsvil	Richmond	0.9106	0.1188	-0.9998	0	0.56
Ulladull	Gilmore	1.0606	0.1188	1.0001	1	0.56
Broken	Parkes	0.9444	0.1193	-0.9998	0	0.56
Laurieto	Lyne	0.9136	0.1193	-0.9998	0	0.56
Lue	Gwydir	1.2485	0.1193	1.0001	1	0.56
Lethbrid	Chifley	0.8652	0.1198	-0.9998	0	0.56
Upper	Lyne	0.7071	0.1198	-0.9998	0	0.56
Lake	Parkes	0.7972	0.1203	-0.9998	0	0.56
Wingham	Lyne	0.9029	0.1203	-0.9998	0	0.56
Boggabil	Gwydir	0.8709	0.1207	-0.9998	0	0.56
Cundleto	Lyne	0.7902	0.1207	-0.9998	0	0.56
Kings	Greenway	0.9472	0.1207	-0.9998	0	0.56
Beelbang	Riverina	1.1049	0.1212	1.0001	1	0.56
Halliday	Lyne	0.8829	0.1212	-0.9998	0	0.56
Lennox	Richmond	1.0253	0.1212	1.0001	1	0.56
Wagga	Riverina	0.9937	0.1217	-0.9998	0	0.56
Bungendo	Eden-Mon	1.0378	0.1222	1.0001	1	0.56
Smithtow	Cowper	0.748	0.1222	-0.9998	0	0.56
Walgett	Gwydir	1.0361	0.1222	1.0001	1	0.56
Mitchell	Lyne	0.8784	0.1227	-0.9998	0	0.56
South	Cowper	0.8719	0.1227	-0.9998	0	0.56
Lugarno	Banks	1.0717	0.1232	1.0001	1	0.56
Merryllan	Reid	0.7164	0.1232	-0.9998	0	0.56
Hannam	Lyne	0.7285	0.1237	-0.9998	0	0.56
Wolumla	Eden-Mon	1.1241	0.1237	1.0001	1	0.56
Ballina	Page	1.0143	0.1242	1.0001	1	0.56
Brogo	Eden-Mon	1.0242	0.1242	1.0001	1	0.56
Mullaway	Cowper	0.9991	0.1242	-0.9998	0	0.56
Oxley	Chifley	0.8978	0.1242	-0.9998	0	0.56
Bellbroo	Cowper	0.7735	0.1246	-0.9998	0	0.56
Dunedoo	Gwydir	0.8947	0.1256	-0.9998	0	0.55
Wiley	Watson	0.9181	0.1256	-0.9998	0	0.55
Collaren	Gwydir	0.9788	0.1261	-0.9998	0	0.55
Cooma	Eden-Mon	1.0238	0.1261	1.0001	1	0.55
Bawley	Gilmore	1.0033	0.1266	1.0001	1	0.55
Sunshine	Eden-Mon	0.9667	0.1266	-0.9998	0	0.55
Mullumbi	Richmond	1.2081	0.1281	1.0001	1	0.55
Utungun	Cowper	1.239	0.1281	1.0001	1	0.55
Bexhill	Page	1.4254	0.1286	1.0001	1	0.56
Valla	Cowper	0.9889	0.1286	-0.9998	0	0.55
Bribbare	Hume	0.877	0.1295	-0.9998	0	0.55
Coramba	Cowper	0.9131	0.1295	-0.9998	0	0.55
Miller	Werriwa	0.9044	0.1295	-0.9998	0	0.55
Murwillu	Richmond	0.9259	0.1295	-0.9998	0	0.55
North	Gwydir	0.7712	0.1295	-0.9998	0	0.55
Coolatai	Gwydir	1.0364	0.13	1.0001	1	0.55
Bonny	Lyne	0.8433	0.1305	-0.9998	0	0.55
Diamond	Lyne	1.1206	0.1305	1.0001	1	0.55
Moonan	Gwydir	0.6104	0.1305	-0.9998	0	0.55
Orangevi	Hume	0.8994	0.1305	-0.9998	0	0.55
Bega	Eden-Mon	0.9992	0.131	-0.9998	0	0.55
Menindee	Parkes	0.9379	0.131	-0.9998	0	0.55
Tweed	Richmond	1.0035	0.131	1.0001	1	0.55
Charles	Riverina	1.0083	0.1315	1.0001	1	0.55
Martinsv	Charlton	0.9161	0.1315	-0.9998	0	0.55
Minnamur	Gilmore	1.2217	0.1315	1.0001	1	0.55
Shoalhav	Gilmore	1.0889	0.1315	1.0001	1	0.55
Upper	Cowper	0.8456	0.132	-0.9998	0	0.55
Narrande	Riverina	0.9404	0.1325	-0.9998	0	0.55
Leeton	Riverina	0.9765	0.1329	-0.9998	0	0.55
Sanctuar	Gilmore	1.029	0.1329	1.0001	1	0.55
St	Bradfiel	0.8473	0.1329	-0.9998	0	0.55
East	Banks	0.9767	0.1334	-0.9998	0	0.55
Warrell	Cowper	0.9986	0.1334	-0.9998	0	0.55
Lightnin	Gwydir	1.1039	0.1339	1.0001	1	0.55
Killabak	Lyne	0.9534	0.1344	-0.9998	0	0.55
Hebersha	Chifley	0.896	0.1354	-0.9998	0	0.55
Repton	Cowper	0.9756	0.1354	-0.9998	0	0.55
Peats	Robertso	1.0018	0.1359	1.0001	1	0.55
Byron	Richmond	1.1532	0.1364	1.0001	1	0.55
Connells	Barton	1.0371	0.1364	1.0001	1	0.55
Horsley	Prospect	0.8633	0.1369	-0.9998	0	0.55
Carss	Barton	0.9297	0.1383	-0.9998	0	0.55
Coffs	Cowper	1.0776	0.1383	1.0001	1	0.55
Marlee	Lyne	0.7799	0.1383	-0.9998	0	0.55
Carinda	Gwydir	0.7456	0.1388	-0.9998	0	0.55
Emerton	Chifley	0.8852	0.1388	-0.9998	0	0.55
Chatham	Lyne	0.7899	0.1393	-0.9998	0	0.55
Moree	Gwydir	0.9429	0.1393	-0.9998	0	0.54
Sussex	Gilmore	1.1271	0.1398	1.0001	1	0.55
Tinonee	Lyne	0.8031	0.1398	-0.9998	0	0.54
Rylstone	Gwydir	0.9871	0.1408	-0.9998	0	0.54
Whalan	Chifley	0.8689	0.1412	-0.9998	0	0.54
Sawtell	Cowper	0.9925	0.1417	-0.9998	0	0.54
Dunbogan	Lyne	0.8301	0.1422	-0.9998	0	0.54
Goonenge	Richmond	1.3284	0.1422	1.0001	1	0.54
Old	Reid	0.7757	0.1422	-0.9998	0	0.54
Dharruk	Chifley	0.8893	0.1427	-0.9998	0	0.54
Towamba	Eden-Mon	1.1419	0.1427	1.0001	1	0.54

Yoogali	Riverina	0.9008	0.1427	-0.9998	0	0.54
Harringt	Lyne	0.9159	0.1432	-0.9998	0	0.54
Crabbes	Richmond	1.0111	0.1437	1.0001	1	0.54
Glendon	Hunter	1.3864	0.1442	1.0001	1	0.54
Lake	Lyne	0.7523	0.1442	-0.9998	0	0.54
Coorabel	Richmond	1.0733	0.1447	1.0001	1	0.54
Dungay	Richmond	1.045	0.1447	1.0001	1	0.54
Gilgandr	Gwydir	1.0546	0.1447	1.0001	1	0.54
Sadleir	Fowler	0.9462	0.1447	-0.9998	0	0.54
Banora	Richmond	1.0143	0.1452	1.0001	1	0.54
Heckenbe	Fowler	0.9956	0.1452	-0.9998	0	0.54
Pilliga	Gwydir	1.2058	0.1452	1.0001	1	0.54
Eungai	Cowper	0.8755	0.1466	-0.9998	0	0.54
Fingal	Richmond	1.1904	0.1466	1.0001	1	0.54
Tabulam	Page	1.2431	0.1466	1.0001	1	0.54
Tumbulgu	Richmond	0.8112	0.1471	-0.9998	0	0.54
Urunga	Cowper	0.8559	0.1471	-0.9998	0	0.54
Central	Eden-Mon	1.2066	0.1476	1.0001	1	0.54
Cambridg	Lindsay	0.9664	0.1481	-0.9998	0	0.54
Billinud	Richmond	0.9199	0.1486	-0.9998	0	0.54
Binnaway	Gwydir	0.8701	0.1486	-0.9998	0	0.54
Coraki	Page	1.2622	0.1486	1.0001	1	0.54
Gundy	Gwydir	0.9588	0.1491	-0.9998	0	0.54
Purfleet	Lyne	0.767	0.1491	-0.9998	0	0.54
Bilbul	Riverina	1.097	0.1495	1.0001	1	0.54
Mowll	Mitchell	0.9252	0.15	-0.9998	0	0.54
Wee	Gwydir	1.0254	0.15	1.0001	1	0.54
Ulong	Cowper	1.0223	0.1505	1.0001	1	0.54
Hérons	Lyne	1.1546	0.151	1.0001	1	0.54
Clovass	Page	1.3486	0.1515	1.0001	1	0.54
Gundurim	Page	1.3635	0.1515	1.0001	1	0.54
Wamoon	Riverina	0.9322	0.1515	-0.9998	0	0.54
Ocean	Richmond	1.0817	0.152	1.0001	1	0.54
Manning	Lyne	0.7509	0.1525	-0.9998	0	0.54
Meerscha	Page	1.2671	0.1539	1.0001	1	0.54
Purlewau	Gwydir	1.0809	0.1539	1.0001	1	0.54
Burringb	Richmond	0.8902	0.1544	-0.9998	0	0.54
Shalvey	Chifley	0.9208	0.1544	-0.9998	0	0.54
Euberta	Riverina	0.6385	0.1549	-0.9998	0	0.54
Candelo	Eden-Mon	1.0276	0.1554	1.0001	1	0.54
Maroota	Berowra	1.0543	0.1554	1.0001	1	0.54
Oatley	Banks	1.1979	0.1554	1.0001	1	0.54
Grafton	Page	0.9512	0.1564	-0.9998	0	0.54
Stuarts	Cowper	0.8978	0.1564	-0.9998	0	0.54
Wyrallah	Page	1.4268	0.1564	1.0001	1	0.54
Red	Cowper	0.9192	0.1574	-0.9998	0	0.54
Weilmori	Gwydir	0.5674	0.1578	-0.9998	0	0.54
Bilambil	Richmond	0.9696	0.1583	-0.9998	0	0.54
Harwood	Page	1.1668	0.1583	1.0001	1	0.54
Boggabri	Gwydir	1.0036	0.1588	1.0001	1	0.54
Baryulgi	Page	1.1981	0.1593	1.0001	1	0.54
Kiama	Gilmore	1.1616	0.1593	1.0001	1	0.54
Wantabad	Riverina	1.4653	0.1593	1.0001	1	0.54
Malua	Eden-Mon	1.0727	0.1598	1.0001	1	0.54
Bourke	Gwydir	1.0221	0.1603	1.0001	1	0.54
Lismore	Page	1.1978	0.1603	1.0001	1	0.54
St	Gilmore	1.2468	0.1603	1.0001	1	0.54
Batehave	Eden-Mon	0.909	0.1608	-0.9998	0	0.54
Horsesho	Page	1.9459	0.1608	1.0001	1	0.54
Kangaroo	Gilmore	1.4219	0.1613	1.0001	1	0.54
Lake	Riverina	1.0202	0.1613	1.0001	1	0.55
Warialda	Gwydir	0.9522	0.1618	-0.9998	0	0.54
Bugaldie	Gwydir	2.9214	0.1622	1.0001	1	0.55
Burrill	Gilmore	1.0428	0.1622	1.0001	1	0.55
Copmanhu	Page	1.0004	0.1622	1.0001	1	0.55
Tintenba	Richmond	1.2796	0.1622	1.0001	1	0.55
Wingello	Gilmore	0.7243	0.1622	-0.9998	0	0.55
Gerringo	Gilmore	1.2983	0.1627	1.0001	1	0.55
Hastings	Richmond	0.902	0.1627	-0.9998	0	0.55
Gwabegar	Gwydir	1.1046	0.1632	1.0001	1	0.55
Tharboga	Riverina	1.0444	0.1632	1.0001	1	0.55
Thora	Cowper	0.9548	0.1632	-0.9998	0	0.55
Tanja	Eden-Mon	1.0876	0.1637	1.0001	1	0.55
Villawoo	Fowler	0.9283	0.1642	-0.9998	0	0.55
Terranor	Richmond	1.0697	0.1652	1.0001	1	0.55
Hargrave	Gwydir	1.9286	0.1657	1.0001	1	0.55
Marsden	Greenway	0.7412	0.1661	-0.9998	0	0.55
Whitton	Riverina	1.1479	0.1661	1.0001	1	0.55
Somersby	Robertso	0.9145	0.1666	-0.9998	0	0.55
Braidwoo	Eden-Mon	1.0521	0.1671	1.0001	1	0.55
Mylestom	Cowper	0.9698	0.1671	-0.9998	0	0.55
Scone	Gwydir	0.9134	0.1671	-0.9998	0	0.55
Cartwrig	Fowler	0.9155	0.1676	-0.9998	0	0.55
Griffith	Riverina	1.0361	0.1676	1.0001	1	0.55
Tolland	Riverina	0.9307	0.1676	-0.9998	0	0.55
Tuross	Eden-Mon	0.9818	0.1676	-0.9998	0	0.54
South	Eden-Mon	0.8867	0.1686	-0.9998	0	0.54
Alectown	Parkes	0.5416	0.1701	-0.9998	0	0.54
Nana	Cowper	1.0109	0.1701	1.0001	1	0.54
Mumbil	Gwydir	1.0663	0.1705	1.0001	1	0.54
Turrumur	Bradfiel	1.0178	0.171	1.0001	1	0.54

Illaroo	Gilmore	1.3893	0.1715	1.0001	1	0.55
Narrabri	Gwydir	0.9347	0.1715	-0.9998	0	0.54
Wardell	Page	1.074	0.1715	1.0001	1	0.55
Callala	Gilmore	1.1778	0.172	1.0001	1	0.55
Kemps	Prospect	1.1811	0.172	1.0001	1	0.55
Ashmont	Riverina	0.8859	0.173	-0.9998	0	0.55
Caniaba	Page	1.2054	0.174	1.0001	1	0.55
Mungindi	Gwydir	0.737	0.174	-0.9998	0	0.55
Pymble	Bradfiel	1.1211	0.174	1.0001	1	0.55
Huskisso	Gilmore	1.3906	0.1744	1.0001	1	0.55
Mangrove	Robertso	0.9883	0.1744	-0.9998	0	0.55
Vincenti	Gilmore	1.241	0.1744	1.0001	1	0.55
Manyana	Gilmore	1.0413	0.1749	1.0001	1	0.55
Crowdy	Lyne	0.9792	0.1759	-0.9998	0	0.55
Ashley	Gwydir	0.9084	0.1764	-0.9998	0	0.55
Gollan	Gwydir	5.8275	0.1764	1.0001	1	0.55
Bomaderr	Gilmore	1.1899	0.1769	1.0001	1	0.55
Auburn	Reid	0.8143	0.1779	-0.9998	0	0.55
Greenwel	Gilmore	1.0878	0.1779	1.0001	1	0.55
Junction	Page	1.0068	0.1784	1.0001	1	0.55
Moruya	Eden-Mon	0.9586	0.1784	-0.9998	0	0.55
Hanwood	Riverina	1.2122	0.1793	1.0001	1	0.55
Laggan	Hume	1.2524	0.1793	1.0001	1	0.55
Pambula	Eden-Mon	0.951	0.1793	-0.9998	0	0.55
Cattai	Macquari	2.2206	0.1798	1.0001	1	0.55
Nimmitab	Eden-Mon	0.8884	0.1803	-0.9998	0	0.55
Cowper	Cowper	0.5062	0.1808	-0.9998	0	0.55
Empire	Page	1.1593	0.1808	1.0001	1	0.55
Tiboobur	Parkes	0.7028	0.1808	-0.9998	0	0.55
Tomakin	Eden-Mon	1.0702	0.1813	1.0001	1	0.55
Dunoon	Page	1.3278	0.1828	1.0001	1	0.55
Grabben	Hume	1.214	0.1828	1.0001	1	0.55
Bimbimbi	Eden-Mon	0.9913	0.1837	-0.9998	0	0.55
Broulee	Eden-Mon	1.0744	0.1837	1.0001	1	0.55
Mogo	Eden-Mon	0.9872	0.1837	-0.9998	0	0.55
Orient	Gilmore	1.0496	0.1837	1.0001	1	0.55
Carroll	Gwydir	0.9533	0.1852	-0.9998	0	0.55
Berry	Gilmore	1.6231	0.1857	1.0001	1	0.55
St	Fowler	0.869	0.1857	-0.9998	0	0.55
Cudmirra	Gilmore	1.2146	0.1867	1.0001	1	0.55
Lake	Gilmore	1.1075	0.1871	1.0001	1	0.55
Nowra	Gilmore	1.1448	0.1871	1.0001	1	0.55
Piggabee	Richmond	0.9165	0.1871	-0.9998	0	0.55
Berkshir	Lindsay	0.8123	0.1876	-0.9998	0	0.55
Bombala	Eden-Mon	0.9681	0.1896	-0.9998	0	0.55
Modanvil	Page	1.1427	0.1896	1.0001	1	0.55
Penrose	Gilmore	1.1536	0.1901	1.0001	1	0.55
Wiangare	Page	1.5823	0.1901	1.0001	1	0.55
Brunswic	Richmond	1.0381	0.1906	1.0001	1	0.55
Wollar	Gwydir	0.8503	0.1911	-0.9998	0	0.55
Merimbul	Eden-Mon	1.0118	0.1915	1.0001	1	0.55
Glenreag	Cowper	0.9785	0.1925	-0.9998	0	0.55
Nowra	Gilmore	1.2261	0.193	1.0001	1	0.55
Edgeroi	Gwydir	1.3553	0.1935	1.0001	1	0.55
Murrarni	Riverina	1.066	0.1935	1.0001	1	0.55
Tregear	Chifley	0.9204	0.1935	-0.9998	0	0.55
Chindera	Richmond	0.8596	0.1945	-0.9998	0	0.55
Coutts	Page	1.0431	0.1945	1.0001	1	0.55
Gurley	Gwydir	3.3293	0.1945	1.0001	1	0.55
Bunnam	Gwydir	0.8183	0.195	-0.9998	0	0.55
Werri	Gilmore	1.4277	0.195	1.0001	1	0.55
Baan	Gwydir	0.9206	0.1954	-0.9998	0	0.55
Curraron	Gilmore	1.1301	0.1959	1.0001	1	0.55
Yanco	Riverina	0.9073	0.1959	-0.9998	0	0.55
Tura	Eden-Mon	1.0741	0.1964	1.0001	1	0.55
Bemboka	Eden-Mon	0.965	0.1969	-0.9998	0	0.55
Evans	Page	1.1428	0.1969	1.0001	1	0.55
Stokers	Richmond	0.831	0.1969	-0.9998	0	0.55
Casino	Page	1.1546	0.1974	1.0001	1	0.55
Dalgety	Eden-Mon	0.9273	0.1974	-0.9998	0	0.55
Ghini	Lyne	0.8355	0.1974	-0.9998	0	0.55
Rosebank	Page	1.4442	0.1974	1.0001	1	0.55
Edgeclif	Wentwort	0.9476	0.1984	-0.9998	0	0.55
Erowal	Gilmore	1.061	0.1984	1.0001	1	0.55
Kapooka	Riverina	1.9372	0.1989	1.0001	1	0.55
Jerrabomb	Eden-Mon	1.0388	0.1998	1.0001	1	0.55
Stuart	Gwydir	1.3214	0.2003	1.0001	1	0.55
Blandfor	Gwydir	1.1523	0.2008	1.0001	1	0.55
Ulan	Gwydir	1.012	0.2013	1.0001	1	0.55
Grevilli	Page	0.9793	0.2033	-0.9998	0	0.55
Tweed	Richmond	0.9532	0.2037	-0.9998	0	0.55
Milvale	Hume	0.5486	0.2042	-0.9998	0	0.55
Lowanna	Cowper	0.7615	0.2057	-0.9998	0	0.55
Brewarri	Gwydir	0.821	0.2072	-0.9998	0	0.55
Leeville	Page	1.1565	0.2072	1.0001	1	0.55
Warwick	Fowler	0.8753	0.2072	-0.9998	0	0.55
Ballimor	Parkes	0.7207	0.2077	-0.9998	0	0.55
Liverpoo	Fowler	0.8428	0.2077	-0.9998	0	0.55
Barmedma	Parkes	1.0652	0.2081	1.0001	1	0.55
Edensor	Fowler	0.8892	0.2081	-0.9998	0	0.55
Jamberoo	Gilmore	1.3344	0.2081	1.0001	1	0.55

Basin	Gilmore	1.0759	0.2091	1.0001	1	0.55
Jiggi	Page	1.2724	0.2091	1.0001	1	0.55
Long	Eden-Mon	0.976	0.2116	-0.9998	0	0.55
Bredbo	Eden-Mon	1.2375	0.212	1.0001	1	0.55
Sutton	Gilmore	0.9447	0.212	-0.9998	0	0.55
Nymboida	Page	1.2147	0.2145	1.0001	1	0.55
Tyalgum	Richmond	1.0632	0.2145	1.0001	1	0.55
Dural	Berowra	1.1546	0.215	1.0001	1	0.55
Adaminab	Eden-Mon	1.1582	0.2155	1.0001	1	0.55
Murrurun	Gwydir	0.756	0.216	-0.9998	0	0.55
Upper	Gwydir	2.331	0.216	1.0001	1	0.55
Bonnyrig	Fowler	0.8774	0.2179	-0.9998	0	0.55
Burrawan	Gilmore	1.4141	0.2179	1.0001	1	0.55
Ilford	Gwydir	1.2513	0.2194	1.0001	1	0.55
Chilling	Richmond	0.7987	0.2203	-0.9998	0	0.55
Terara	Gilmore	1.1977	0.2228	1.0001	1	0.55
Tomerong	Gilmore	1.0089	0.2238	1.0001	1	0.55
Cabramat	Fowler	0.9032	0.2247	-0.9998	0	0.55
Goolmang	Page	1.1225	0.2247	1.0001	1	0.55
Fairy	Page	1.4378	0.2277	1.0001	1	0.55
Numerall	Eden-Mon	1.1295	0.2286	1.0001	1	0.55
Kunghur	Richmond	1.2201	0.2316	1.0001	1	0.55
Enngonia	Gwydir	0.7386	0.2374	-0.9998	0	0.55
Darling	Wentworth	0.9003	0.2379	-0.9998	0	0.55
Eden	Eden-Mon	0.9296	0.2384	-0.9998	0	0.55
Nowra	Gilmore	1.1113	0.2384	1.0001	1	0.55
Carool	Richmond	0.8849	0.2413	-0.9998	0	0.55
Nelligen	Eden-Mon	0.8132	0.2516	-0.9998	0	0.55
Llandilo	Lindsay	0.9105	0.2536	-0.9998	0	0.55
Inglebur	Werriwa	1.1579	0.2565	1.0001	1	0.55
Canley	Fowler	0.9365	0.2584	-0.9998	0	0.55
Letchwor	Eden-Mon	0.9432	0.2594	-0.9998	0	0.55
Marayong	Chifley	0.8506	0.2614	-0.9998	0	0.55
Wamboin	Eden-Mon	1.1968	0.2619	1.0001	1	0.55
The	Page	1.2891	0.2648	1.0001	1	0.55
Cawongla	Page	1.1815	0.2653	1.0001	1	0.55
Sutton	Eden-Mon	0.977	0.2697	-0.9998	0	0.55
Lansvale	Fowler	0.9736	0.2721	-0.9998	0	0.55
Wilsons	Richmond	1.6449	0.2745	1.0001	1	0.55
Mount	Fowler	1.0131	0.276	1.0001	1	0.55
Queanbey	Eden-Mon	0.9898	0.2794	-0.9998	0	0.55
Nimbin	Page	1.2501	0.2828	1.0001	1	0.55
Bonalbo	Page	1.9912	0.2838	1.0001	1	0.55
Bibbenlu	Eden-Mon	1.4839	0.2848	1.0001	1	0.55
Willmot	Chifley	0.912	0.2951	-0.9998	0	0.55
Woodenbo	Page	1.1288	0.2951	1.0001	1	0.55
Wakeley	Fowler	0.8674	0.3048	-0.9998	0	0.55
Wingen	Gwydir	1.1974	0.3073	1.0001	1	0.55
Jerangle	Eden-Mon	1.2371	0.3126	1.0001	1	0.55
Pallamal	Gwydir	1.0299	0.319	1.0001	1	0.55
Fairfiel	Fowler	0.958	0.3204	-0.9998	0	0.55
Yennora	Fowler	0.9423	0.3209	-0.9998	0	0.55
Main	Richmond	1.3966	0.3278	1.0001	1	0.55
Captains	Eden-Mon	1.0621	0.3429	1.0001	1	0.55
Kandos	Gwydir	0.9058	0.3429	-0.9998	0	0.55
Perisher	Eden-Mon	1.7844	0.3566	1.0001	1	0.55
Delegate	Eden-Mon	1.2032	0.3727	1.0001	1	0.55
Michelag	Eden-Mon	1.3781	0.3971	1.0001	1	0.55

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Effect of Campaigning using the Micro Model in the Electorates in Contention – Bennelong

Seat	SEAT ALP	SEAT ALP		2001	Equivalent Household Visits	2001 ALP	2004 ALP	No. 2004	No. 2004 Non - Deserters	% Swayable	No. Swayable	% Swayable Non-Deserters	No. Swayable Non-Deserters	Total No. Swayable	2004 FPV Cumulative	2004 FPV Cumulative	% Addition to
	FPV %	TPP	Booth	Enrolment		FPV No.	FPV No.	Deserters	Deserters	Deserters	Deserters	Deserters	Deserters	Deserters	Deserters	Deserters	Deserters
Bennelong	33.88	45.67	Gladesvi	2068	1202	860	701	160	1908	30.00	48	11.25	215	263	12360	263	0.34
Bennelong	39.29	45.67	West	3658	2127	1573	1437	136	3522	30.00	41	11.25	396	437	13797	700	0.91
Bennelong	29.49	45.67	Boronia	982	571	319	290	30	952	30.00	9	11.25	107	116	14087	816	1.06
Bennelong	28.05	45.67	Putney	3424	1991	1128	960	168	3256	30.00	50	11.25	366	417	15047	1232	1.60
Bennelong	32	45.67	Deniston	2616	1521	961	837	124	2491	30.00	37	11.25	280	318	15884	1550	2.02
Bennelong	31.28	45.67	Marsfiel	2251	1308	842	704	138	2113	30.00	41	11.25	238	279	16588	1829	2.38
Bennelong	31.61	45.67	Deniston	1295	753	472	409	63	1232	30.00	19	11.25	139	157	16998	1986	2.59
Bennelong	42.19	45.67	Ryde	2928	1703	1583	1235	348	2581	30.00	104	11.25	290	395	18233	2381	3.10
Bennelong	33.91	45.67	Deniston	965	561	378	327	51	913	30.00	15	11.25	103	118	18560	2499	3.25
Bennelong	26.08	45.67	Carlingf	1217	707	343	317	26	1191	30.00	8	11.25	134	142	18877	2641	3.44
Bennelong	28.45	45.67	Roselea	1451	844	410	413	0	1451	30.00	0	11.25	163	163	19290	2804	3.65
				Enrolment	Equivalent Household Visits	2001 ALP	2004 ALP	No. 2004	No. 2004 Non - Deserters	% Swayable	No. Swayable	% Swayable Non-Deserters	No. Swayable Non-Deserters	Total No. Swayable	2004 FPV Cumulative	2004 FPV Cumulative	% Addition to
			Seat	Remainder		FPV No.	FPV No.	Deserters	Deserters	Deserters	Deserters	Deserters	Deserters	Deserters	Deserters	Deserters	Deserters
			Bennelong	72048	41888	22292	17338	4954	67094	25	1238	5.25	3522	4761	17338	4761	6.49

Effect of Campaigning using the Micro Model in the Electorates in Contention – Cowper

Seat	SEAT ALP FPV %	SEAT ALP TPP		2001 Enrolment	Equivalent Household Visits	2001 ALP FPV No.	2004 ALP FPV No.	No. 2004 Deserters	No. 2004 Non - Deserters	% Swayable Deserters	No. Swayable Deserters	% Swayable Non- Deserters	No. Swayable Non- Deserters	Total No. Swayable	2004 FPV Cumulative	2004 FPV Cumulative Swayable	% Addition to Seat Vote
Cowper	26.06	43.55	Ulmarra	616	358	184	160	23	593	30.00	7	11.25	67	74	19451	74	0.09
Cowper	39.11	43.55	Brooms	192	112	82	75	7	185	30.00	2	11.25	21	23	19526	97	0.12
Cowper	34.56	43.55	Gulmarra	464	270	181	160	20	444	30.00	6	11.25	50	56	19686	152	0.20
Cowper	28.23	43.55	Tucabia	368	214	102	104	0	368	30.00	0	11.25	41	41	19790	194	0.25
Cowper	34.99	43.55	Wooli	528	307	195	185	10	518	30.00	3	11.25	58	61	19975	255	0.33
Cowper	22.61	43.55	Dorrigo	1200	698	278	271	7	1193	30.00	2	11.25	134	136	20246	391	0.50
Cowper	28.46	43.55	Palmer's	568	330	173	162	12	556	30.00	3	11.25	63	66	20408	457	0.59
Cowper	21.31	43.55	Bonville	904	525	186	193	0	904	30.00	0	11.25	102	102	20600	559	0.72
Cowper	22.56	43.55	Gleniffe	176	102	37	40	0	176	30.00	0	11.25	20	20	20640	579	0.75
Cowper	24.79	43.55	Korora	1696	986	386	420	0	1696	30.00	0	11.25	191	191	21060	770	0.99
Cowper	32.02	43.55	Bellimbo	192	112	78	61	16	175	30.00	5	11.25	20	25	21122	794	1.02
Cowper	33.02	43.55	Macleay	1408	818	496	465	32	1376	30.00	9	11.25	155	164	21587	959	1.23
Cowper	30.81	43.55	Bowravil	1152	670	338	355	0	1152	30.00	0	11.25	130	130	21941	1088	1.40
Cowper	22.68	43.55	Bostobri	104	60	21	24	0	104	30.00	0	11.25	12	12	21965	1100	1.42
Cowper	20.78	43.55	Boambee	1432	832	252	298	0	1432	30.00	0	11.25	161	161	22263	1261	1.62
Cowper	28.33	43.55	Karang	448	260	130	127	3	445	30.00	1	11.25	50	51	22389	1312	1.69
Cowper	28.55	43.55	Macksvil	2447	1423	723	699	24	2423	30.00	7	11.25	273	280	23088	1592	2.05
Cowper	37.44	43.55	Nambucca	2887	1679	1164	1081	83	2804	30.00	25	11.25	315	340	24169	1932	2.49
Cowper	32.79	43.55	Bellinge	2200	1279	933	721	211	1988	30.00	63	11.25	224	287	24890	2219	2.86
Cowper	37.43	43.55	Hat	200	116	79	75	4	196	30.00	1	11.25	22	23	24965	2243	2.89
Cowper	28.34	43.55	Moonee	880	512	241	249	0	880	30.00	0	11.25	99	99	25215	2342	3.01
Cowper	36.79	43.55	Sandy	1752	1018	672	644	28	1724	30.00	8	11.25	194	202	25859	2544	3.27
Cowper	32.68	43.55	Willawar	392	228	136	128	8	384	30.00	2	11.25	43	46	25987	2589	3.33
Cowper	31.25	43.55	Missabot	88	51	29	27	2	86	30.00	0	11.25	10	10	26015	2600	3.35
Cowper	28.57	43.55	Raleigh	280	163	70	80	0	280	30.00	0	11.25	31	31	26095	2631	3.39
Cowper	36.94	43.55	Scotts	560	326	213	207	6	554	30.00	2	11.25	62	64	26301	2695	3.47
Cowper	36.94	43.55	Woolgool	2871	1669	1080	1061	19	2852	30.00	6	11.25	321	327	27362	3022	3.89
Cowper	34.56	43.55	Bayldon	2335	1358	830	807	22	2313	30.00	7	11.25	260	267	28169	3289	4.23
Cowper	32.96	43.55	Toormina	2903	1688	979	957	23	2881	30.00	7	11.25	324	331	29126	3620	4.66
Cowper	35.15	43.55	Smithtow	512	298	241	180	61	451	30.00	18	11.25	51	69	29306	3689	4.75
Cowper	41.13	43.55	South	1752	1018	826	720	106	1646	30.00	32	11.25	185	217	30026	3905	5.03
Cowper	35.83	43.55	Mullaway	1296	753	465	464	0	1295	30.00	0	11.25	146	146	30491	4051	5.22
Cowper	40.52	43.55	Bellbroo	128	74	67	52	15	113	30.00	5	11.25	13	17	30543	4069	5.24
Cowper	19.28	43.55	Utungun	184	107	29	35	0	184	30.00	0	11.25	21	21	30578	4089	5.26
Cowper	32.59	43.55	Valla	832	484	274	271	3	829	30.00	1	11.25	93	94	30849	4183	5.39
Cowper	30.54	43.55	Coramba	368	214	123	112	11	357	30.00	3	11.25	40	43	30961	4227	5.44
Cowper	28.32	43.55	Upper	304	177	102	86	16	288	30.00	5	11.25	32	37	31048	4264	5.49
Cowper	16.52	43.55	Warrell	248	144	41	41	0	248	30.00	0	11.25	28	28	31089	4292	5.52

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Effect of Campaigning using the Micro Model in the Electorates in Contention – Dobell

Seat	SEAT ALP	SEAT ALP		2001	Equivalent	2001 ALP	2004 ALP	No. 2004	No. 2004	%	No.	%	No.	Total	2004 FPV	2004 FPV	% Addition to
	FPV %	TPP	Booth	Enrolment	Household	FPV No.	FPV No.	Deserters	Non -	Swayable	Swayable	Swayable	Swayable	No.	Cumulative	Swayable	Seat Vote
Dobell	34.98	44.1	Ourimbah	2189	1273	1022	766	256	1934	30.00	77	11.25	218	294	35083	294	0.39
Dobell	50.27	44.1	Blue	2247	1306	1497	1129	367	1880	30.00	110	11.25	211	322	36213	616	0.82
Dobell	48.79	44.1	Kanwal	3050	1774	1967	1488	479	2572	30.00	144	11.25	289	433	37701	1049	1.39
Dobell	36.94	44.1	Forrester	1222	710	523	451	72	1150	30.00	22	11.25	129	151	38152	1200	1.59
Dobell	32.24	44.1	Wamberal	2444	1421	936	788	148	2295	30.00	45	11.25	258	303	38940	1502	1.99
Dobell	44.73	44.1	Chittawa	2927	1702	1693	1309	384	2544	30.00	115	11.25	286	401	40250	1904	2.52
Dobell	54.41	44.1	Watanobb	1369	796	1028	745	283	1087	30.00	85	11.25	122	207	40995	2111	2.80
Dobell	40.38	44.1	Niagara	3083	1793	1561	1245	316	2767	30.00	95	11.25	311	406	42240	2517	3.34
Dobell	43.06	44.1	Berkeley	3018	1754	1653	1299	353	2665	30.00	106	11.25	300	406	43539	2923	3.88
Dobell	31.2	44.1	Terrigal	640	372	238	200	38	601	30.00	12	11.25	68	79	43739	3002	3.98
Dobell	41.64	44.1	Wyoming	2829	1645	1521	1178	343	2486	30.00	103	11.25	280	383	44917	3384	4.49
Dobell	40.9	44.1	Tuggerah	1017	591	530	416	115	902	30.00	34	11.25	102	136	45333	3520	4.67
Dobell	49.01	44.1	Killarne	1673	973	1105	820	286	1387	30.00	86	11.25	156	242	46152	3762	4.99
Dobell	49.84	44.1	Long	1673	973	1041	834	207	1466	30.00	62	11.25	165	227	46986	3989	5.29
Dobell	45.8	44.1	Wyong	2066	1201	1253	946	307	1760	30.00	92	11.25	198	290	47933	4279	5.68
Dobell	49.48	44.1	The	2017	1173	1363	998	365	1652	30.00	110	11.25	186	295	48931	4574	6.07
Dobell	43.16	44.1	Wamerna	1509	877	865	651	214	1295	30.00	64	11.25	146	210	49582	4784	6.35
Dobell	50.87	44.1	Tacoma	574	334	395	292	103	471	30.00	31	11.25	53	84	49874	4868	6.46
Dobell	38.61	44.1	Mardi	877	510	401	339	62	815	30.00	19	11.25	92	110	50213	4979	6.60
Dobell	34.11	44.1	Lisarow	1976	1149	751	674	77	1899	30.00	23	11.25	214	237	50887	5215	6.92
Dobell	41.76	44.1	Tumbi	1115	648	615	466	150	965	30.00	45	11.25	109	154	51353	5369	7.12
Dobell	39.32	44.1	Narara	1082	629	508	426	83	1000	30.00	25	11.25	112	137	51778	5506	7.30
Dobell	23.98	44.1	Erina	853	496	234	205	29	824	30.00	9	11.25	93	101	51983	5608	7.44
Dobell	37.41	44.1	Hamlyn	312	181	124	117	7	304	30.00	2	11.25	34	36	52099	5644	7.49
Dobell	40.54	44.1	Bateau	943	548	477	382	95	848	30.00	28	11.25	95	124	52482	5768	7.65
Dobell	33.41	44.1	Jilliby	517	300	225	173	53	464	30.00	16	11.25	52	68	52654	5836	7.74
Dobell	28.63	44.1	Yarramal	246	143	87	70	17	229	30.00	5	11.25	26	31	52725	5867	7.78
Dobell	29.17	44.1	Holgate	738	429	255	215	40	698	30.00	12	11.25	79	90	52940	5957	7.90
Dobell	27.01	44.1	Dooralon	148	86	59	40	20	128	30.00	6	11.25	14	20	52980	5977	7.93
Dobell	22.22	44.1	Kulnura	369	215	80	82	0	369	30.00	0	11.25	42	42	53062	6019	7.98
				Enrolment	Equivalent	2001 ALP	2004 ALP	No. 2004	No. 2004	%	No.	%	No.	Total	2004 FPV	2004 FPV	% Addition to
			Seat	Remainder	Household	FPV No.	FPV No.	Deserters	Non -	Swayable	Swayable	Swayable	Swayable	No.	Cumulative	Swayable	Seat Vote
			Dobell	67154	39043	28661	19669	8992	58162	25	2248	5.25	3054	5302	19669	5302	7.22

Effect of Campaigning using the Micro Model in the Electorates in Contention – Eden-Monaro

Seat	SEAT ALP FPV %	SEAT ALP TPP	Booth	2001 Enrolment	Equivalent Household Visits	2001 ALP FPV No.	2004 ALP FPV No.	No. 2004 Deserters	No. 2004 Non - Deserters	% Swayable Deserters	No. Swayable Deserters	% Swayable Non- Deserters	No. Swayable Non- Deserters	Total No. Swayable	2004 FPV Cumulative	2004 FPV Cumulative Swayable	% Addition to Seat Vote
Eden-Monaro	27.36	47.86	Thredbo	112	65	30	31	0	112	30.00	0	11.25	13	13	53092	13	0.01
Eden-Monaro	28.02	47.86	Jindabyne	1261	733	307	353	0	1261	30.00	0	11.25	142	142	53446	154	0.18
Eden-Monaro	40.6	47.86	Tathra	1476	858	622	599	23	1453	30.00	7	11.25	163	170	54045	325	0.39
Eden-Monaro	33.75	47.86	Bodalla	523	304	182	177	5	518	30.00	2	11.25	58	60	54222	385	0.46
Eden-Monaro	40.88	47.86	Bermagui	1493	868	621	610	10	1483	30.00	3	11.25	167	170	54832	555	0.66
Eden-Monaro	32.94	47.86	Quaama	360	210	120	119	1	359	30.00	0	11.25	40	41	54951	595	0.71
Eden-Monaro	38.6	47.86	Dalmeny	1296	753	507	500	6	1289	30.00	2	11.25	145	147	55451	742	0.88
Eden-Monaro	36.42	47.86	Narooma	2017	1172	700	734	0	2017	30.00	0	11.25	227	227	56185	969	1.15
Eden-Monaro	29.6	47.86	Berridale	678	394	205	201	4	673	30.00	1	11.25	76	77	56386	1046	1.24
Eden-Monaro	97.22	47.86	Wallaga	43	25	48	42	6	37	30.00	2	11.25	4	6	56428	1052	1.25
Eden-Monaro	32.5	47.86	Cobargo	687	399	211	223	0	687	30.00	0	11.25	77	77	56651	1130	1.34
Eden-Monaro	37.55	47.86	Bungendo	1965	1143	711	738	0	1965	30.00	0	11.25	221	221	57389	1351	1.61
Eden-Monaro	28.39	47.86	Wolumla	498	289	126	141	0	498	30.00	0	11.25	56	56	57530	1407	1.67
Eden-Monaro	29.29	47.86	Brogo	215	125	61	63	0	215	30.00	0	11.25	24	24	57593	1431	1.70
Eden-Monaro	34.83	47.86	Cooma	1356	788	461	472	0	1356	30.00	0	11.25	153	153	58065	1583	1.88
Eden-Monaro	34.76	47.86	Sunshine	2111	1227	759	734	25	2086	30.00	8	11.25	235	242	58799	1826	2.17
Eden-Monaro	33.14	47.86	Bega	2085	1212	692	691	1	2085	30.00	0	11.25	235	235	59490	2060	2.45
Eden-Monaro	38.76	47.86	Towamba	137	80	47	53	0	137	30.00	0	11.25	15	15	59543	2076	2.47
Eden-Monaro	35.76	47.86	Central	309	180	92	110	0	309	30.00	0	11.25	35	35	59654	2110	2.51
Eden-Monaro	35.56	47.86	Candelo	584	339	202	208	0	584	30.00	0	11.25	66	66	59861	2176	2.59
Eden-Monaro	33.63	47.86	Malua	987	574	309	332	0	987	30.00	0	11.25	111	111	60193	2287	2.72
Eden-Monaro	38.72	47.86	Batehave	1596	928	680	618	62	1534	30.00	19	11.25	173	191	60811	2478	2.95
Eden-Monaro	41.13	47.86	Tanja	154	90	58	64	0	154	30.00	0	11.25	17	17	60875	2496	2.97
Eden-Monaro	30.74	47.86	Braidwood	1236	718	361	380	0	1236	30.00	0	11.25	139	139	61255	2635	3.13
Eden-Monaro	40.71	47.86	Tuross	1502	873	623	611	11	1490	30.00	3	11.25	168	171	61866	2806	3.34
Eden-Monaro	40.86	47.86	South	206	120	95	84	11	195	30.00	3	11.25	22	25	61950	2831	3.36
Eden-Monaro	38.91	47.86	Moruya	2978	1731	1209	1159	50	2928	30.00	15	11.25	329	344	63109	3175	3.77
Eden-Monaro	33.6	47.86	Pambula	1622	943	573	545	28	1594	30.00	8	11.25	179	188	63654	3363	4.00
Eden-Monaro	32.01	47.86	Nimmitab	335	195	121	107	13	321	30.00	4	11.25	36	40	63761	3403	4.05
Eden-Monaro	37.76	47.86	Tomakin	738	429	260	279	0	738	30.00	0	11.25	83	83	64040	3486	4.14
Eden-Monaro	32.95	47.86	Bimbimbi	386	225	128	127	1	385	30.00	0	11.25	43	44	64167	3530	4.20
Eden-Monaro	40.74	47.86	Broulee	858	499	325	350	0	858	30.00	0	11.25	97	97	64516	3626	4.31
Eden-Monaro	36.53	47.86	Mogo	420	244	156	154	2	419	30.00	1	11.25	47	48	64670	3674	4.37
Eden-Monaro	33.01	47.86	Bombala	1107	644	377	365	12	1095	30.00	4	11.25	123	127	65036	3801	4.52
Eden-Monaro	30.02	47.86	Merimbul	2231	1297	662	670	0	2231	30.00	0	11.25	251	251	65705	4052	4.82
Eden-Monaro	29.68	47.86	Tura	1279	743	353	380	0	1279	30.00	0	11.25	144	144	66085	4196	4.99
Eden-Monaro	27.02	47.86	Bemboka	429	249	120	116	4	425	30.00	1	11.25	48	49	66201	4245	5.05
Eden-Monaro	28.92	47.86	Dalgety	180	105	56	52	4	176	30.00	1	11.25	20	21	66253	4266	5.07

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Effect of Campaigning using the Micro Model in the Electorates in Contention – Greenway

Seat	SEAT ALP FPV %	SEAT ALP TPP		2001 Enrolment	Equivalent Household Visits	2001 ALP FPV No.	2004 ALP FPV No.	No. 2004 Deserters	No. 2004 Non - Deserters	% Swayable Deserters	No. Swayable Deserters	% Swayable Non- Deserters	No. Swayable Non- Deserters	Total No. Swayable	2004 FPV Cumulative	2004 FPV Cumulative Swayable	% Addition to Seat Vote
Greenway	51.17	49.42	Quakers	2645	1538	1670	1353	317	2328	30.00	95	11.25	262	357	71495	357	0.47
Greenway	60.1	49.42	Dean	1623	944	1410	975	434	1189	30.00	130	11.25	134	264	72471	621	0.82
Greenway	42.69	49.42	Riversto	1709	994	917	730	187	1522	30.00	56	11.25	171	227	73200	848	1.12
Greenway	52.77	49.42	Seven	2070	1203	1347	1092	255	1814	30.00	77	11.25	204	281	74292	1129	1.49
Greenway	52.08	49.42	Lalor	2602	1513	1812	1355	457	2145	30.00	137	11.25	241	378	75648	1507	1.99
Greenway	56.34	49.42	Blacktow	232	135	183	131	53	179	30.00	16	11.25	20	36	75778	1543	2.03
Greenway	30.26	49.42	Vineyard	163	95	60	49	11	152	30.00	3	11.25	17	20	75828	1564	2.06
Greenway	33.94	49.42	Schofiel	1718	999	774	583	191	1527	30.00	57	11.25	172	229	76410	1793	2.36
Greenway	30.43	49.42	Kings	2387	1388	767	726	40	2347	30.00	12	11.25	264	276	77137	2069	2.73
Greenway	35.69	49.42	Marsden	618	359	298	221	77	541	30.00	23	11.25	61	84	77358	2153	2.84
				Enrolment	Equivalent Household Visits	2001 ALP FPV No.	2004 ALP FPV No.	No. 2004 Deserters	No. 2004 Non - Deserters	% Swayable Deserters	No. Swayable Deserters	% Swayable Non- Deserters	No. Swayable Non- Deserters	Total No. Swayable	2004 FPV Cumulative	2004 FPV Cumulative Swayable	% Addition to Seat Vote
			Seat	Remainder													
			Greenway	71028	41295	30308	24287	6020	65008	25	1505	5.25	3413	4918	24287	4918	6.70

Effect of Campaigning using the Micro Model in the Electorates in Contention – Lindsay

Seat	SEAT ALP	SEAT ALP		2001	Equivalent Household Visits	2001 ALP	2004 ALP	No. 2004	No. 2004 Non -	% Swayable	No. Swayable	% Swayable Non-	No. Swayable Non-	Total No.	2004 FPV	2004 FPV Cumulative	% Addition to
	FPV %	TPP	Booth	Enrolment		FPV No.	FPV No.	Deserters	Deserters	Deserters	Deserters	Deserters	Deserters	Swayable	Cumulative	Swayable	Seat Vote
Lindsay	37.12	44.74	Glenmore	3991	2320	1582	1482	100	3891	30.00	30	11.25	438	468	78839	468	0.64
Lindsay	27.23	44.74	Glenbroo	2383	1386	531	649	0	2383	30.00	0	11.25	268	268	79488	736	1.01
Lindsay	31.77	44.74	Regentvi	2016	1172	686	640	45	1970	30.00	14	11.25	222	235	80129	971	1.33
Lindsay	26.27	44.74	Lapstone	1257	731	267	330	0	1257	30.00	0	11.25	141	141	80459	1113	1.52
Lindsay	38.34	44.74	Penrith	1787	1039	693	685	7	1780	30.00	2	11.25	200	202	81144	1315	1.80
Lindsay	32.03	44.74	Ernu	3265	1898	999	1046	0	3265	30.00	0	11.25	367	367	82190	1682	2.30
Lindsay	37.75	44.74	Penrith	3632	2112	1435	1371	64	3568	30.00	19	11.25	401	421	83561	2103	2.88
Lindsay	29.98	44.74	Cranebro	3338	1941	909	1001	0	3338	30.00	0	11.25	376	376	84562	2478	3.39
Lindsay	50.75	44.74	Claremon	1812	1053	1020	920	100	1712	30.00	30	11.25	193	223	85481	2701	3.70
Lindsay	21.76	44.74	Mulgoa	1126	655	296	245	51	1075	30.00	15	11.25	121	136	85726	2837	3.88
Lindsay	21.57	44.74	Orchard	1020	593	223	220	3	1017	30.00	1	11.25	114	115	85946	2953	4.04
Lindsay	36.37	44.74	Jamison	1894	1101	657	689	0	1894	30.00	0	11.25	213	213	86635	3166	4.33
Lindsay	28.47	44.74	Leonay	1763	1025	477	502	0	1763	30.00	0	11.25	198	198	87137	3364	4.60
Lindsay	24.85	44.74	Wallacia	767	446	183	191	0	767	30.00	0	11.25	86	86	87328	3450	4.72
Lindsay	24.37	44.74	Castlere	898	522	213	219	0	898	30.00	0	11.25	101	101	87546	3551	4.86
Lindsay	42.79	44.74	Werringt	2302	1338	1003	985	19	2283	30.00	6	11.25	257	262	88531	3814	5.22
Lindsay	36.33	44.74	Cambridg	2481	1443	933	901	31	2450	30.00	9	11.25	276	285	89433	4099	5.61
Lindsay	25.18	44.74	Berkshir	318	185	99	80	19	300	30.00	6	11.25	34	39	89513	4138	5.66
Lindsay	23.28	44.74	Llandilo	1208	702	309	281	28	1180	30.00	8	11.25	133	141	89794	4279	5.86
				Enrolment	Equivalent Household Visits	2001 ALP	2004 ALP	No. 2004	No. 2004 Non -	% Swayable	No. Swayable	% Swayable Non-	No. Swayable Non-	Total No.	2004 FPV	2004 FPV Cumulative	% Addition to
			Seat	Remainder		FPV No.	FPV No.	Deserters	Deserters	Deserters	Deserters	Deserters	Deserters	Swayable	Cumulative	Swayable	Seat Vote
			Lindsay	66770	38820	23102	21152	1950	64820	25	488	5.25	3403	3891	21152	3891	5.30

Effect of Campaigning using the Micro Model in the Electorates in Contention – Page

Seat	SEAT ALP FPV %	SEAT ALP TPP		2001 Enrolment	Equivalent Household Visits	2001 ALP FPV No.	2004 ALP FPV No.	No. 2004 Deserters	No. 2004 Non - Deserters	% Swayable Deserters	No. Swayable Deserters	% Swayable Non- Deserters	No. Swayable Non- Deserters	Total No. Swayable	2004 FPV Cumulative	2004 FPV Cumulative Swayable	% Addition to Seat Vote
Page	41.61	45.77	Dundurra	148	86	69	62	7	141	30.00	2	11.25	16	18	89856	18	0.02
Page	20.45	45.77	Whiporie	99	57	14	20	0	99	30.00	0	11.25	11	11	89876	29	0.04
Page	18.54	45.77	Tregeagl	477	277	68	88	0	477	30.00	0	11.25	54	54	89964	83	0.11
Page	28.87	45.77	Rappvill	156	91	60	45	15	142	30.00	4	11.25	16	20	90009	103	0.13
Page	38.08	45.77	Woombah	387	225	134	147	0	387	30.00	0	11.25	44	44	90157	147	0.19
Page	22.73	45.77	Kyogle	1868	1086	370	424	0	1868	30.00	0	11.25	210	210	90581	357	0.46
Page	15.9	45.77	Mallanga	255	148	34	41	0	255	30.00	0	11.25	29	29	90622	385	0.50
Page	13.51	45.77	Southgat	115	67	13	16	0	115	30.00	0	11.25	13	13	90637	398	0.51
Page	34.4	45.77	Ballina	4591	2669	1557	1579	0	4591	30.00	0	11.25	516	516	92216	915	1.18
Page	17.17	45.77	Bexhill	527	306	63	90	0	527	30.00	0	11.25	59	59	92307	974	1.25
Page	24.04	45.77	Tabulam	206	120	40	49	0	206	30.00	0	11.25	23	23	92356	997	1.28
Page	23.38	45.77	Coraki	1028	598	190	240	0	1028	30.00	0	11.25	116	116	92597	1113	1.43
Page	14.83	45.77	Clovass	288	167	32	43	0	288	30.00	0	11.25	32	32	92639	1145	1.48
Page	16.23	45.77	Gundurim	165	96	20	27	0	165	30.00	0	11.25	19	19	92666	1164	1.50
Page	20.78	45.77	Meerscha	337	196	55	70	0	337	30.00	0	11.25	38	38	92736	1202	1.55
Page	38.44	45.77	Grafton	1925	1119	778	740	38	1887	30.00	11	11.25	212	224	93476	1425	1.84
Page	20.05	45.77	Wyrallah	411	239	58	82	0	411	30.00	0	11.25	46	46	93559	1472	1.90
Page	28.36	45.77	Harwood	304	177	74	86	0	304	30.00	0	11.25	34	34	93645	1506	1.94
Page	23.26	45.77	Baryulgi	49	29	10	11	0	49	30.00	0	11.25	6	6	93657	1512	1.95
Page	27.93	45.77	Lismore	1012	588	236	283	0	1012	30.00	0	11.25	114	114	93939	1625	2.09
Page	17.71	45.77	Horsesho	189	110	17	34	0	189	30.00	0	11.25	21	21	93973	1647	2.12
Page	29.07	45.77	Copmanhu	378	220	110	110	0	378	30.00	0	11.25	43	43	94083	1689	2.18
Page	33.33	45.77	Wardell	576	335	179	192	0	576	30.00	0	11.25	65	65	94275	1754	2.26
Page	19.86	45.77	Caniaba	304	177	50	60	0	304	30.00	0	11.25	34	34	94335	1788	2.30
Page	27.72	45.77	Junction	806	469	222	223	0	806	30.00	0	11.25	91	91	94559	1879	2.42
Page	23.11	45.77	Empire	255	148	51	59	0	255	30.00	0	11.25	29	29	94618	1908	2.46
Page	24.73	45.77	Dunoon	592	344	110	146	0	592	30.00	0	11.25	67	67	94764	1974	2.54
Page	21.35	45.77	Modanvil	411	239	77	88	0	411	30.00	0	11.25	46	46	94852	2021	2.60
Page	15.94	45.77	Wiangare	387	225	39	62	0	387	30.00	0	11.25	44	44	94914	2064	2.66
Page	29.02	45.77	Coutts	642	373	179	186	0	642	30.00	0	11.25	72	72	95100	2136	2.75
Page	27.5	45.77	Evans	1744	1014	420	480	0	1744	30.00	0	11.25	196	196	95579	2333	3.00
Page	27.64	45.77	Casino	3464	2014	829	957	0	3464	30.00	0	11.25	390	390	96537	2722	3.51
Page	21.14	45.77	Rosebank	263	153	39	56	0	263	30.00	0	11.25	30	30	96592	2752	3.54
Page	17.12	45.77	Grevilli	165	96	29	28	1	164	30.00	0	11.25	18	19	96621	2770	3.57
Page	19.32	45.77	Leeville	296	172	49	57	0	296	30.00	0	11.25	33	33	96678	2804	3.61
Page	23.47	45.77	Jiggi	230	134	42	54	0	230	30.00	0	11.25	26	26	96732	2830	3.64
Page	27.27	45.77	Nymboida	132	77	30	36	0	132	30.00	0	11.25	15	15	96768	2844	3.66
Page	22.8	45.77	Goolmang	469	273	95	107	0	469	30.00	0	11.25	53	53	96875	2897	3.73

Effect of Campaigning using the Micro Model in the Electorates in Contention – Page (Continued)

Page	17.69	45.77	Fairy	436	254	54	77	0	436	30.00	0	11.25	49	49	96952	2946	3.80
Page	22.08	45.77	The	420	244	72	93	0	420	30.00	0	11.25	47	47	97045	2993	3.86
Page	23.68	45.77	Cawongla	403	234	81	95	0	403	30.00	0	11.25	45	45	97140	3039	3.91
Page	22.44	45.77	Nimbin	1037	603	186	233	0	1037	30.00	0	11.25	117	117	97373	3155	4.06
Page	12.85	45.77	Bonalbo	403	234	26	52	0	403	30.00	0	11.25	45	45	97424	3201	4.12
Page	15.38	45.77	Woodenbo	296	172	40	46	0	296	30.00	0	11.25	33	33	97470	3234	4.17
				Enrolment	Equivalent	2001 ALP	2004 ALP	No. 2004	No. 2004	%	No.	%	No.			2004 FPV	
			Seat	Remainder	Household	FPV No.	FPV No.	Deserters	Non -	Swayable	Swayable	Swayable	Swayable	Total	2004 FPV	2004 FPV	% Addition to
					Visits				Deserters	Deserters	Deserters	Deserters	Deserters	No.	Cumulative	Swayable	Seat Vote
			Page	67424	39200	19553	18694	859	66565	25	215	5.25	3495	3709	18694	3709	5.06

Effect of Campaigning using the Micro Model in the Electorates in Contention – Paterson

Seat	SEAT ALP FPV %	SEAT ALP TPP		2001 Enrolment	Equivalent Household Visits	2001 ALP FPV No.	2004 ALP FPV No.	No. 2004 Deserters	No. 2004 Non - Deserters	% Swayable Deserters	No. Swayable Deserters	% Swayable Non- Deserters	No. Swayable Non- Deserters	Total No. Swayable	2004 FPV Cumulative	2004 FPV Cumulative Swayable	% Addition to Seat Vote
Paterson	48.23	43.03	Tanilba	1573	914	904	759	145	1428	30.00	44	11.25	161	204	98229	204	0.26
Paterson	63.79	43.03	Woodberr	1879	1093	1585	1199	386	1493	30.00	116	11.25	168	284	99427	488	0.61
Paterson	57.41	43.03	Beresfie	2368	1376	1706	1359	347	2021	30.00	104	11.25	227	331	100786	819	1.03
Paterson	43.94	43.03	Morpeth	853	496	407	375	32	820	30.00	10	11.25	92	102	101161	921	1.16
Paterson	51.85	43.03	Mallabul	613	356	466	318	149	464	30.00	45	11.25	52	97	101479	1018	1.28
Paterson	47.33	43.03	Lemon	1291	751	729	611	118	1174	30.00	35	11.25	132	167	102090	1186	1.49
Paterson	44.77	43.03	Clarence	985	573	541	441	100	885	30.00	30	11.25	100	130	102531	1315	1.66
Paterson	45.35	43.03	Anna	2368	1376	1233	1074	159	2208	30.00	48	11.25	248	296	103605	1611	2.03
Paterson	57.62	43.03	Tarro	720	419	524	415	109	611	30.00	33	11.25	69	102	104020	1713	2.16
Paterson	37.46	43.03	Medowie	1821	1059	775	682	93	1729	30.00	28	11.25	194	222	104702	1935	2.44
Paterson	49.14	43.03	Raymond	1813	1054	1073	891	182	1631	30.00	55	11.25	183	238	105593	2173	2.74
Paterson	36.29	43.03	Vacy	422	245	199	153	46	377	30.00	14	11.25	42	56	105746	2229	2.81
Paterson	34.43	43.03	Glen	124	72	47	43	4	120	30.00	1	11.25	14	15	105789	2244	2.83
Paterson	36.26	43.03	Williamt	646	375	232	234	0	646	30.00	0	11.25	73	73	106023	2317	2.92
Paterson	27.86	43.03	Gresford	563	327	189	157	32	531	30.00	10	11.25	60	69	106180	2386	3.00
Paterson	36.8	43.03	Salt	720	419	294	265	29	691	30.00	9	11.25	78	86	106445	2472	3.11
Paterson	32.13	43.03	Hinton	629	366	238	202	36	593	30.00	11	11.25	67	78	106647	2550	3.21
Paterson	37.9	43.03	Dungog	1846	1073	916	700	217	1629	30.00	65	11.25	183	248	107347	2798	3.52
Paterson	34.38	43.03	Seaham	1060	616	386	364	22	1038	30.00	7	11.25	117	123	107711	2921	3.68
Paterson	41.47	43.03	Bungwahl	273	159	151	113	38	235	30.00	11	11.25	26	38	107824	2959	3.73
Paterson	43.69	43.03	Fingal	886	515	439	387	52	834	30.00	16	11.25	94	109	108211	3069	3.86
Paterson	37.28	43.03	Salamand	1581	919	604	589	14	1567	30.00	4	11.25	176	181	108801	3249	4.09
Paterson	38.99	43.03	Tuncurry	2517	1463	1309	981	328	2188	30.00	98	11.25	246	345	109782	3594	4.53
Paterson	30.89	43.03	Bandon	124	72	56	38	18	107	30.00	5	11.25	12	17	109820	3611	4.55
Paterson	29.82	43.03	Wards	116	67	39	35	4	112	30.00	1	11.25	13	14	109855	3625	4.56
Paterson	35.96	43.03	Forster	2748	1598	1210	988	221	2527	30.00	66	11.25	284	351	110843	3976	5.01
Paterson	22.29	43.03	Gloucest	1664	967	382	371	12	1652	30.00	3	11.25	186	189	111214	4165	5.24
Paterson	36.77	43.03	Soldiers	902	525	369	332	37	865	30.00	11	11.25	97	108	111546	4273	5.38
Paterson	39.98	43.03	Hawks	861	501	420	344	76	785	30.00	23	11.25	88	111	111890	4385	5.52
Paterson	40.24	43.03	Pacific	977	568	493	393	100	877	30.00	30	11.25	99	129	112283	4513	5.68
Paterson	32.36	43.03	Bobs	298	173	101	96	5	293	30.00	1	11.25	33	34	112379	4548	5.73
Paterson	27.29	43.03	Nabiac	538	313	159	147	13	525	30.00	4	11.25	59	63	112526	4611	5.81
Paterson	37.91	43.03	Tea	1134	659	563	430	133	1001	30.00	40	11.25	113	152	112956	4763	6.00
Paterson	30.22	43.03	Stroud	199	116	84	60	24	175	30.00	7	11.25	20	27	113016	4790	6.03
Paterson	29.66	43.03	Corlette	1672	972	595	496	99	1573	30.00	30	11.25	177	207	113512	4996	6.29
Paterson	33.2	43.03	Millers	281	164	101	93	8	274	30.00	2	11.25	31	33	113606	5030	6.33
Paterson	31.28	43.03	North	257	149	90	80	10	247	30.00	3	11.25	28	31	113686	5060	6.37
Paterson	27.89	43.03	Wallarob	157	91	49	44	5	152	30.00	2	11.25	17	19	113730	5079	6.39

Effect of Campaigning using the Micro Model in the Electorates in Contention – Paterson (Continued)

Paterson	33.53	43.03	Coolong	182	106	71	61	10	173	30.00	3	11.25	19	22	113791	5101	6.42
Paterson	30.8	43.03	Failford	257	149	121	79	42	214	30.00	13	11.25	24	37	113870	5138	6.47
Paterson	32.37	43.03	Bulahdel	1060	616	420	343	77	982	30.00	23	11.25	111	134	114213	5272	6.64
Paterson	48.18	43.03	Tomago	116	67	68	56	12	103	30.00	4	11.25	12	15	114269	5287	6.66
Paterson	29.42	43.03	Stroud	579	337	189	170	18	561	30.00	5	11.25	63	69	114439	5356	6.74
Paterson	37.23	43.03	Coomba	356	207	126	133	0	356	30.00	0	11.25	40	40	114572	5396	6.79
Paterson	25.23	43.03	Wootton	116	67	27	29	0	116	30.00	0	11.25	13	13	114601	5409	6.81
Paterson	46.8	43.03	Karuah	927	539	578	434	144	783	30.00	43	11.25	88	131	115035	5540	6.98
Paterson	39.53	43.03	Green	281	164	154	111	42	239	30.00	13	11.25	27	40	115146	5580	7.03
				Enrolment	Equivalent	2001 ALP	2004 ALP	No. 2004	No. 2004	%	No.	%	No.	Total	2004 FPV	2004 FPV	% Addition to
			Seat	Remainder	Household	FPV No.	FPV No.	Deserters	Non -	Swayable	Swayable	Swayable	Swayable	No.	Cumulative	Swayable	Seat Vote
					Visits				Deserters								
			Paterson	67934	39497	27683	20180	7503	60431	25	1876	5.25	3173	5048	20180	5048	6.88

Effect of Campaigning using the Micro Model in the Electorates in Contention – Richmond

Seat	SEAT ALP FPV %	SEAT ALP TPP		2001 Enrolment	Equivalent Household Visits	2001 ALP FPV No.	2004 ALP FPV No.	No. 2004 Deserters	No. 2004 Non - Deserters	% Swayable Deserters	No. Swayable Deserters	% Swayable Non- Deserters	No. Swayable Non- Deserters	Total No. Swayable	2004 FPV Cumulative	2004 FPV Cumulative Swayable	% Addition to Seat Vote
Richmond	32.32	50.19	Newrybar	512	298	154	166	0	512	30.00	0	11.25	58	58	115312	58	0.07
Richmond	17.33	50.19	Mcleans	81	47	10	14	0	81	30.00	0	11.25	9	9	115326	67	0.08
Richmond	28.63	50.19	Fernleig	268	156	67	77	0	268	30.00	0	11.25	30	30	115403	97	0.12
Richmond	32.56	50.19	Duranbah	138	80	47	45	2	137	30.00	1	11.25	15	16	115448	113	0.14
Richmond	31.44	50.19	Bangalow	1447	841	426	455	0	1447	30.00	0	11.25	163	163	115903	276	0.35
Richmond	26.43	50.19	Alstonwi	3301	1919	801	873	0	3301	30.00	0	11.25	371	371	116775	647	0.82
Richmond	25.64	50.19	Ewingsda	382	222	84	98	0	382	30.00	0	11.25	43	43	116873	690	0.88
Richmond	17.07	50.19	Rous	228	132	34	39	0	228	30.00	0	11.25	26	26	116912	716	0.91
Richmond	33.85	50.19	Condong	935	544	322	317	6	929	30.00	2	11.25	105	106	117229	822	1.04
Richmond	45.72	50.19	Cudgen	634	369	374	290	84	550	30.00	25	11.25	62	87	117519	909	1.15
Richmond	39.25	50.19	Kingscli	2846	1655	1144	1117	27	2819	30.00	8	11.25	317	325	118636	1234	1.57
Richmond	25.84	50.19	Wollongb	1626	945	378	420	0	1626	30.00	0	11.25	183	183	119056	1417	1.80
Richmond	39.94	50.19	Pottswil	1862	1083	817	744	73	1789	30.00	22	11.25	201	223	119799	1640	2.08
Richmond	32.68	50.19	Lennox	3277	1905	1044	1071	0	3277	30.00	0	11.25	369	369	120870	2009	2.55
Richmond	26.8	50.19	Mullumbi	2822	1640	626	756	0	2822	30.00	0	11.25	317	317	121626	2326	2.95
Richmond	35.1	50.19	Murwillu	2895	1683	1097	1016	81	2813	30.00	24	11.25	317	341	122643	2667	3.38
Richmond	35.99	50.19	Tweed	3618	2104	1298	1302	0	3618	30.00	0	11.25	407	407	123945	3074	3.90
Richmond	32.41	50.19	Byron	2569	1494	722	833	0	2569	30.00	0	11.25	289	289	124778	3363	4.27
Richmond	37.06	50.19	Goonenge	154	90	43	57	0	154	30.00	0	11.25	17	17	124835	3381	4.29
Richmond	27.69	50.19	Crabbes	138	80	38	38	0	138	30.00	0	11.25	16	16	124873	3396	4.31
Richmond	26.62	50.19	Coorabel	171	99	42	45	0	171	30.00	0	11.25	19	19	124919	3416	4.33
Richmond	23.47	50.19	Dungay	325	189	73	76	0	325	30.00	0	11.25	37	37	124995	3452	4.38
Richmond	30.78	50.19	Banora	3204	1863	972	986	0	3204	30.00	0	11.25	360	360	125981	3813	4.84
Richmond	40.07	50.19	Fingal	325	189	109	130	0	325	30.00	0	11.25	37	37	126111	3849	4.88
Richmond	41.09	50.19	Tumbulgu	431	251	218	177	41	390	30.00	12	11.25	44	56	126288	3905	4.95
Richmond	43.72	50.19	Billinud	707	411	336	309	27	680	30.00	8	11.25	77	85	126598	3990	5.06
Richmond	36.59	50.19	Ocean	2017	1172	682	738	0	2017	30.00	0	11.25	227	227	127336	4217	5.35
Richmond	40.3	50.19	Burringb	585	340	265	236	29	556	30.00	9	11.25	63	71	127571	4288	5.44
Richmond	33.58	50.19	Bilambil	1659	964	574	557	17	1641	30.00	5	11.25	185	190	128128	4478	5.68
Richmond	25.86	50.19	Tintenba	545	317	110	141	0	545	30.00	0	11.25	61	61	128269	4539	5.76
Richmond	46.33	50.19	Hastings	358	208	184	166	18	340	30.00	5	11.25	38	44	128435	4583	5.81
Richmond	25.55	50.19	Terranor	1334	775	319	341	0	1334	30.00	0	11.25	150	150	128776	4733	6.00
Richmond	32.01	50.19	Piggabee	764	444	267	245	22	742	30.00	7	11.25	83	90	129020	4823	6.12
Richmond	36.23	50.19	Brunswic	1667	969	582	604	0	1667	30.00	0	11.25	188	188	129624	5011	6.36
Richmond	48.44	50.19	Chindera	1179	685	664	571	93	1086	30.00	28	11.25	122	150	130196	5161	6.55
Richmond	38.76	50.19	Stokers	350	203	163	136	28	322	30.00	8	11.25	36	45	130331	5205	6.60
Richmond	43.04	50.19	Tweed	3326	1934	1502	1431	70	3255	30.00	21	11.25	366	387	131762	5593	7.10
Richmond	29.6	50.19	Tyalgum	488	284	136	144	0	488	30.00	0	11.25	55	55	131907	5647	7.17

Effect of Campaigning using the Micro Model in the Electorates in Contention – Richmond (Continued)

Richmond	28.75	50.19	Chilling	268	156	97	77	19	249	30.00	6	11.25	28	34	131984	5681	7.21
Richmond	27.19	50.19	Kunghur	252	147	56	69	0	252	30.00	0	11.25	28	28	132052	5710	7.24
Richmond	38.26	50.19	Carool	130	76	56	50	6	124	30.00	2	11.25	14	16	132102	5726	7.26
Richmond	25.93	50.19	Wilsons	179	104	28	46	0	179	30.00	0	11.25	20	20	132149	5746	7.29
Richmond	22.61	50.19	Main	130	76	21	29	0	130	30.00	0	11.25	15	15	132178	5760	7.31
				Enrolment	Equivalent	2001 ALP	2004 ALP	No. 2004	No. 2004	%	No.	%	No.	Total	2004 FPV	2004 FPV	% Addition to
			Seat	Remainder	Household	FPV No.	FPV No.	Deserters	Non -	Swayable	Swayable	Swayable	Swayable	No.	Cumulative	Swayable	Seat Vote
					Visits				Deserters								
			Richmond	66464	38642	22598	18637	3961	62503	25	990	5.25	3281	4272	18637	4272	5.82

Appendix 7 - Calculation of Effect of Contact on Non Deserters

The study by Marsh (2004) shows that the effect of contact by major parties on the increase in vote is as shown in the following table derived from Table 3 in Chapter 3:

Effect of Contact on Support for Major Parties

<i>Party</i>	<i>Person Making Contact</i>	<i>Contact only by a party other than the row party</i>	<i>No contact at all</i>	<i>Contact by a row party and at least one other party</i>	<i>Contact only by row party</i>
		Column 1	Column 2	Column 3	Column 4
		% of each category voting for row party			
FF	Cand'	31	43	44	56
FF	Workers	32	46	41	55
FG	Cand'	7	15	19	32
FG	Workers	10	17	13	22

The first row shows that support for FF where there is contact only by the candidate of another party is 31%. Where there is no contact by any party, support for FF is 43%. Where there is contact by the FF candidate and one other party the support for FF is 44%. Where there is contact by the FF candidate and no other party the support for FF is 56%. The second row shows the figures for contact by party workers rather than the candidate. The third and fourth rows show the figures for FG.

In order to distil the effect of contact from this information it is necessary to calculate the marginal effect of contact. This is done by subtracting the figures for Columns 3 and 4 by the figures for Columns 2 and 3 respectively. The resulting table is reproduced below.

Incremental Effect of Increasing Levels of Contact

<i>Party</i>	<i>Person Making Contact</i>	<i>Column 3 Less Column 2</i>	<i>Column 4 Less Column 3</i>	<i>Average Increment</i>	<i>Average Increment for Candidates</i>	<i>Average Increment for Workers</i>
FF	Cand'	1	12	6.5		
FF	Workers	-5	14	4.5		
FG	Cand'	4	13	8.5		
FG	Workers	-4	9	2.5		
FF & FG					7.5	3.5

The above table shows the incremental effects of types of contact in the first two columns and the average incremental effect in the third column. The average incremental effect is used because there is no way of knowing whether other parties will have contacted the booths under consideration or whether there will be contact by other parties at all. The resulting figures are 6.5% for FF and 2.5% for FG. These figures are then averaged in order to get the effect of contact by major parties. The resulting figure is 7.5%.

The analogue of the above process yields a figure of 3.5% for contact by workers.

The final stage in this process is to multiply both of these figures by 1.5, the rationale being that the advocated campaign includes only challengers. The study by Green and Krasno (1990) found that the effectiveness of a campaign by a challenger is approximately twice that of an incumbent. Given that the Marsh study includes both challengers and incumbents the way to adjust the Marsh figures to represent only challengers is to multiply the Marsh figures by 1.5.

Thus the final figures for the effect of contact on non deserters are as follow:

Contact by candidates: $7.5 * 1.5 = 11.25$

Contact by party workers: $3.5 * 1.5 = 5.25$